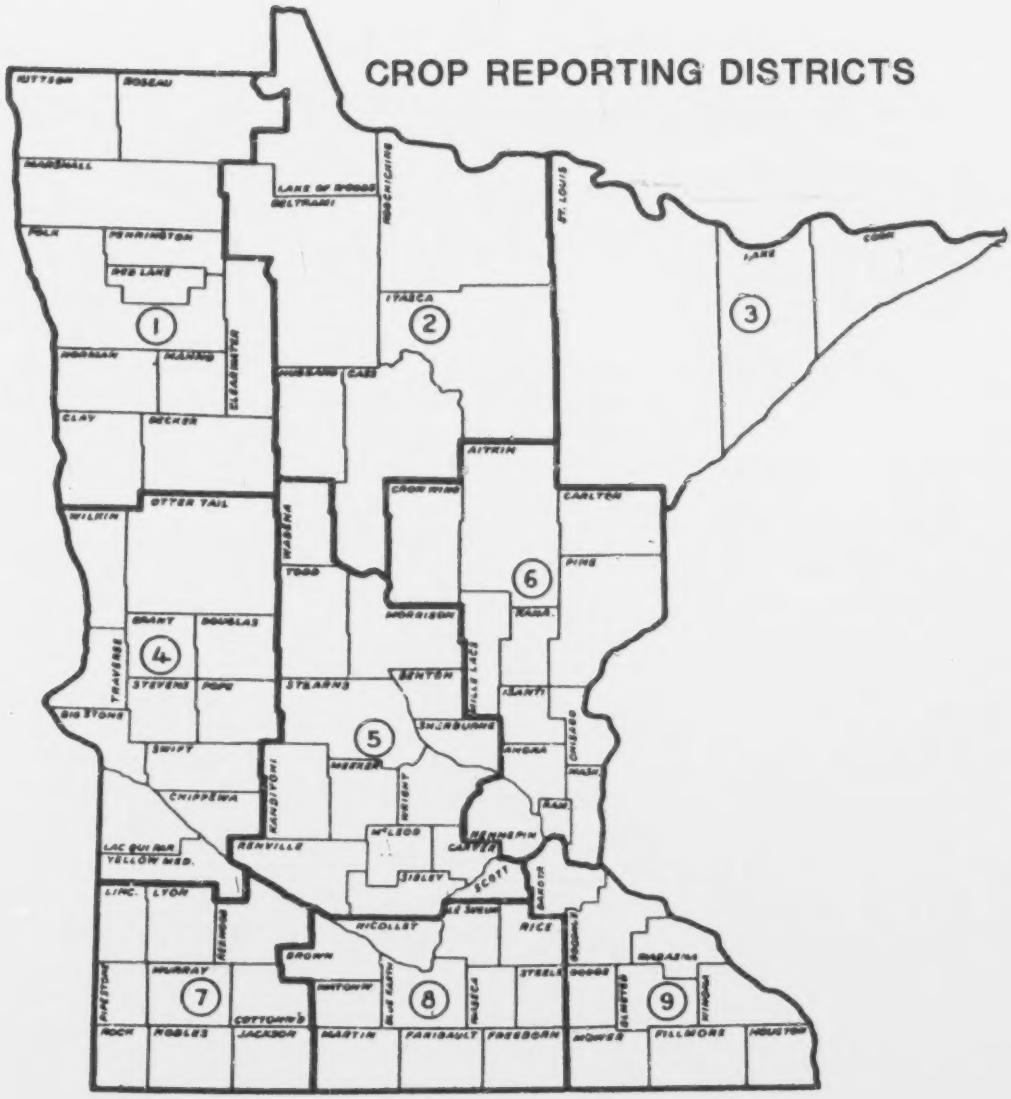


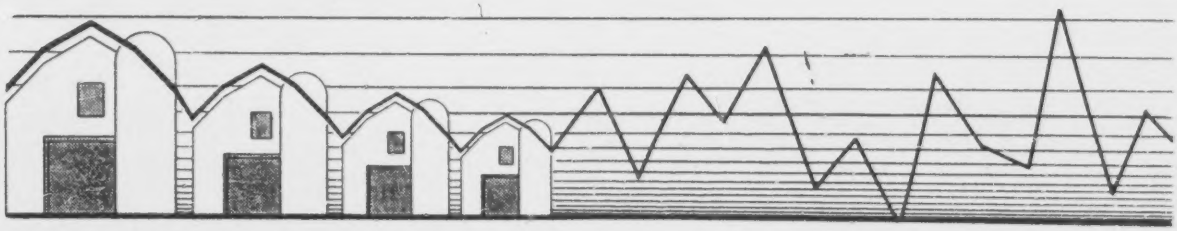
Cover Photo:

Barley Harvest in Minnesota's
Red River Valley

Photo by Paul Hansen,
Minnesota Department of Agriculture

S4130-1

MINNESOTA AGRICULTURAL STATISTICS 1985



COMPILED and ISSUED BY THE

MINNESOTA AGRICULTURAL STATISTICS SERVICE

U.S. Department of Agriculture
Statistical Reporting Service
COOPERATING WITH THE
Minnesota Department of Agriculture

P.O. BOX 7068
90 W. PLATO BLVD.
ST. PAUL, MN 55107

JULY 1985

FOREWORD

Don't pack the suitcase for Minnesota family farms because they're staying.

After one of the worst economic years in the state's ag history, family farms are still reeling from the resulting stress. The situation hasn't improved; in some cases, it's gotten worse. Farm rallies, protests, and other demonstrations were the rule in 1984.

As a result, the American public is no longer ignorant about what's going on "down on the farm"... so chalk up one "positive".

But even better, the farm economic crisis has made the Minnesota farmer tougher and more tenacious than ever. If there's any possible way a farmer can stay on his farm, he'll fight for it. In farm meetings across the state this year, we've come across some of the most moving examples of the spirit of the Minnesota farm family.

That spirit tells us that Minnesota family farms will always be a great and proud part of this state. They'll continue to provide more jobs than any other industry in the state; they'll continue to be more productive, more innovative; in short, they'll continue to be the backbone of Minnesota's economy.

Economically, it's still tough...this is "swim-or-sink" time for many farm families. Indications are that we'll be losing some of our best and brightest producers this year, producers that were caught in a chain of events that were generally outside of their control. To them, we offer any assistance we in this Department can provide.

To Minnesota farm families, we'd like to emphasize that facts are your best weapon in this game of survival. Use them to make your decisions, to tell agriculture's story to others, to "prove your point".

That's what "Minnesota Agricultural Statistics" is all about. This book was "written" by Minnesota farmers and businesses who cooperate voluntarily on our surveys. That cooperation assures that solid facts are in the public eye, facts that speak out for our Minnesota family farms.

Jim Nichols
Commissioner

Carroll Rock
Agricultural Statistician in Charge

PRODUCTION ASSISTANCE ON THIS BOOK WAS PROVIDED BY: Linda Wright, Editor; Cec Foss and Aggie Moser, Crops; Sy Phillippi and Eileen Thurman, Livestock; and Julie Gackstetter, Design Composition.

CONTENTS

SECTION I.

MINNESOTA'S RANK, NUMBER OF FARMS, FARM INCOME, EXPORTS, FOOD COSTS, WEATHER SUMMARY

PAGE

Minnesota's Rank Among States----------1
Leading Counties In Cash Receipts & Crop Production---2
Farmland Values----------2
Number of Farms, Livestock Farms, Land, Average Farm Size----------3
Farm Income and Expenses----------4-8
County Cash Receipts----------6-7
Cash Receipts by Commodity----------8
Charts: Food Dollar, Marketing Costs, Type of Farms, # of People 1 Farmers Feeds, Exports----------9-10
Weather Summary, Average Frost Dates----------11-12

SECTION II.

CROPS

1984 Crop Summary, Acreage, Yield, Production----------13
Records Set in Crop Production & Grain Stocks----------14
5-Year Historic Data: Major Minnesota Crops----------17-21
Grain Marketings by Months, Stocks by Quarters----22-23
Geographic Distribution: Corn, Soybeans, Wheat, Oats----------36
County Estimates: Major Crops----------24-35, 37-47
Average Planting & Harvesting Dates----------48
Wild Rice----------49
Fertilizer----------49
Pesticides----------50-53

SECTION III.

LIVESTOCK, DAIRY, POULTRY

Livestock Inventories on Farm & Value----------54-55
5-Year Historic Data: Cattle, Cattle on Feed----------56
5-Year Historic Data: Hogs----------57-58
Mink Production----------58
5-Year Historic Data: Sheep, Lambs, Wool----------59
Commercial Livestock Slaughter----------60, 61
5-Year Historic Data: Dairy & Dairy Charts---62-64, 67
5-Year Historic Data: Poultry----------68-70

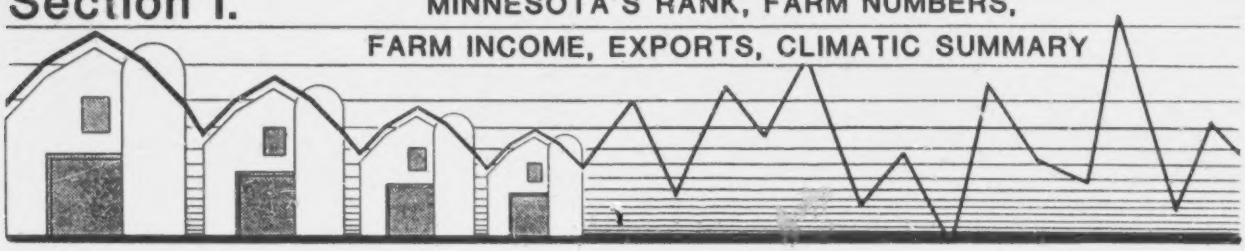
SECTION IV.

PRICES, FARM PRODUCTION EXPENSES, CUSTOM RATES

Prices Received By Farmers: Crops----------71-72
Livestock & Prod.----73-74
Dairy, Poultry----------75-76
Prices Paid By Farmers: Selected Commodities-----77-79
Crop Production Expenses----------80-81
Custom Rates----------82

INDEX----------Inside Back Cover

Section I. MINNESOTA'S RANK, FARM NUMBERS, FARM INCOME, EXPORTS, CLIMATIC SUMMARY



RANKINGS

MINNESOTA'S RANK AMONG STATES

ITEM	1	2	3	4	5	6	7	8	9	10
Number of Farms, June 1, 1984 1/	TX	MO	IA	MN	KY	IL	TN	OH	WI	IN
Cash Farm Receipts, 1984:										
Total	CA	TX	IA	IL	NE	MN	KS	WI	FL	NC
Crops	CA	IL	IA	FL	TX	MN	NE	NC	KS	IN
Livestock & Livestock Products	TX	IA	CA	WI	NE	KS	MN	CO	MO	PA
Crop Production, 1984:										
Corn for Grain	IA	IL	NE	IN	MN	OH	WI	MI	SD	MO
Soybeans	IL	IA	MN	IN	OH	MO	AK	MS	LA	NE
All Wheat	KS	ND	OK	WA	TX	SD	MN	CO	MT	MO
Other Spring Wheat	ND	MN	SD	MT	ID	WA	CO	OR	UT	NV
Oats	SD	MN	WI	ND	IA	MI	PA	NE	OH	IL
Barley	ND	ID	WA	MN	MT	SD	CA	CO	OR	UT
All Sunflowers	ND	SD	MN	TX	--	--	--	--	--	--
All Hay	WI	MN	SD	CA	IA	NE	MO	KA	TX	NY
All Potatoes	ID	WA	CA	OR	ME	WI	ND	CO	MN	MI
Sugarbeets	CA	MN	ID	ND	MI	NE	CO	TX	WY	MT
Flaxseed	ND	SD	MN	--	--	--	--	--	--	--
Rye	SD	MN	ND	GA	NE	OK	MI	PA	NC	SC
Sweet Corn for Processing	MN	WI	OR	WA	IL	NY	ID	MD	DE	PA
Green Peas for Processing	WI	WA	MN	OR	DE	NY	MD	--	--	--
Dry Edible Beans	MI	NE	CA	ND	ID	CO	WY	WA	MN	NY
Livestock, Dairy, Poultry:										
Red Meat Production, 1984	IA	TX	NE	KS	IL	MN	CA	CO	MI	WI
Cattle & Calves, Jan. 1, 1985	TX	NE	KS	IA	OK	CA	MO	WI	SD	MN
Milk Cows, Jan. 1, 1985	WI	CA	NY	MN	PA	MI	OH	IA	TX	KY
Cattle & Calves on Feed, Jan. 1, 1985	TX	NE	KS	CO	IA	CA	IL	AZ	MN	SD
Cattle & Calves Marketed, 1984 2/	TX	NE	KS	OK	IA	CO	CA	MO	SD	MT
Hogs, December 1, 1984 3/	IA	IL	IN	MN	NE	MO	NC	OH	KS	SD
Pig Crop, 1984	IA	IL	MN	IN	MO	NE	NC	OH	KS	SD
Hogs Marketed, 1984	IA	IL	MN	IN	NE	MO	NC	OH	KS	SD
Stock Sheep & Lambs, Jan. 1, 1985 4/	TX	CA	WY	SD	UT	NM	MT	CO	OR	ID
Lamb Crop, 1984 5/	TX	CA	SD	WY	MT	UT	CO	ID	NM	IA
All Chickens, December 1, 1984 2/	CA	IN	GA	AR	PA	NC	OH	TX	AL	FL
Eggs Produced, Dec. 1983-November 1984 2/	CA	IN	GA	PA	AR	OH	NC	TX	FL	AL
Turkeys Raised During 1984	NC	MN	CA	AR	MO	VA	IN	WI	PA	IA
Milk Production, 1984	WI	CA	NY	MN	PA	MI	OH	TX	IA	WA
Dairy Products Manufactured During 1984--										
Total Cheese	WI	MN	NY	CA	IA	PA	MO	ID	SD	IL
American Cheese	WI	MN	CA	IA	ID	SD	NY	MO	UT	ND
Butter	WI	CA	MN	WA	PA	MI	NY	NE	MO	OH
Nonfat Dry Milk	CA	MN	MI	WI	IA	NY	PA	OH	ID	ND
Ice Cream	CA	PA	OH	MA	NY	TX	MN	FL	IL	MI
Agricultural Exports, Fiscal 1984	IA	IL	CA	NE	TX	KS	MN	IN	ND	OH

1/ MN & KY tied for 4th. 2/ MN ranks 11th. 3/ IN & MN tied for 3rd place and KS and SD tied for 9th.
4/ MN ranks 14th. 5/ MN ranks 12th.

MINNESOTA'S LEADING AGRICULTURAL COUNTIES 1/

ITEM	1	2	3	4	5	6	7	8	9	10
CASH FARM INCOME, 1983:										
Total Cash Receipts	Stearns	Polk	Renville	Martin	Faribault	Freeborn	O.Tail	Redwood	Jackson	B.Earth
Production Expenses	Stearns	Polk	Renville	O.Tail	Faribault	Kandiyohi	Martin	Jackson	Freeborn	Redwood
Total Net Income...	Martin	B.Earth	Freeborn	Goodhue	Redwood	Stearns	Marshall	Nobles	Watonwan	Y. Med.
1984 CROP PRODUCTION										
Corn for Grain...	Freeborn	Faribault	Martin	Renville	Jackson	B.Earth	Redwood	Mower	Fillmore	Cottonwood
Soybeans.....	Renville	Redwood	Martin	B.Earth	Jackson	Faribault	Cottonwood	Y.Med.	Nobles	Mower
All Wheat.....	Polk	Marshall	Kittson	Norman	Clay	Roseau	Wilkin	Traverse	Grant	O.Tail
Oats.....	O.Tail	Stearns	Douglas	Todd	Pope	Fillmore	Goodhue	Winona	Olmsted	Morrison
Barley.....	Polk	Marshall	Norman	Kittson	Roseau	Clay	Mahnomen	Wilkin	Pennington	Becker
Sugarbeets.....	Polk	Clay	Norman	Wilkin	Renville	Chippewa	Marshall	Kittson	Grant	Kandiyohi
Sunflowers.....	Norman	Polk	Roseau	Marshall	Clay	Kittson	Pennington	Red Lake	Mahnomen	Becker
Rye.....	O.Tail	Sherburne	Douglas	Big Stone	Marshall	Roseau	Clay	Polk	Traverse	Isanti
Flax.....	Roseau	Marshall	Kittson	Polk	Clay	Traverse	Lk of Woods	Lincoln	Pennington	Pipestone

1/ County estimates for livestock, dairy, and poultry discontinued due to state budget restrictions.

LAND VALUES

The drop of Minnesota farm real estate values in 1984 marks the 3rd consecutive annual decline. Average land values fell 13% to $927/acre for the greatest annual drop since the peak in Minnesota land values in 1981.

With the exception of small declines of $2/acre in 1941, 1953, and 1960, the last 3 years mark the first declines since 1934-35. Up until 1982, land values have risen almost continuously for 37 years.

Lower land values have meant that since the peak year of 1981, real estate assets of Minnesota farmers have dropped almost 20%.

From 1983-1984, land values in southwest and southeast Minnesota fell most sharply, down 16% and 14%, respectively. The only area showing an increase was the northeast region where agriculture does not play a prominent role.

ESTIMATED AVERAGE VALUE PER ACRE OF MINNESOTA FARMLAND BY DISTRICT*

Years	South-east	South-west	West Central	East Central	North-west	North-east	Minnesota
1972	370	379	208	163	117	76	248
1973	433	459	247	194	146	115	298
1974	576	675	378	279	199	144	423
1975	674	844	503	296	295	163	525
1976	856	1,106	624	349	378	210	667
1977	1,027	1,316	730	415	427	279	794
1978	1,191	1,421	803	498	483	304	889
1979	1,453	1,620	883	573	599	368	1,040
1980	1,526	1,750	962	596	683	390	1,120
1981	1,709	2,083	1,135	679	813	460	1,310
1982	1,504	1,875	1,044	584	748	483	1,179
1983	1,354	1,669	981	561	658	411	1,065
1984	1,164	1,401	873	505	586	436	927

* From MINNESOTA AGRICULTURAL ECONOMIST, February 1985, Agricultural Extension Service, University of Minnesota, St. Paul, MN 55108, "The Minnesota Rural Real Estate Market In 1984", by C. Emerson and P. Raup. Values are based on reporters' estimate of average value per acre of various grades of farmland in their area.

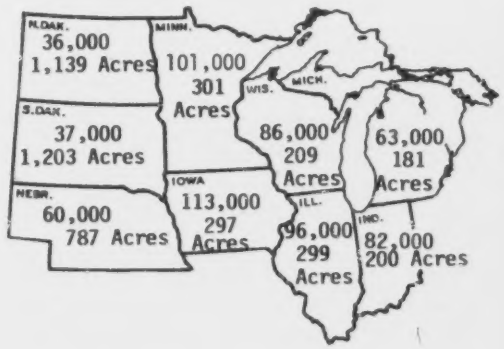
MINNESOTA'S FARM NUMBERS, LAND IN FARMS, AND AVERAGE FARM SIZE 1/

Year	Number of Farms	Land In Farms	Average Size of Farms
	Number	Thousand Acres	Acres
1980	104,000	30,300	291
1981	104,000	30,400	292
1982	103,000	30,400	295
1983	102,000	30,400	298
1984	101,000	30,400	301

1/ Farms are defined as places which had annual sales of agricultural products of $1,000 or more.

ESTIMATED NUMBER OF FARMS IN 1984 AND AVERAGE FARM SIZE

United States
2,332,600 Farms
437 Acres Per Farm



FARM NUMBERS CONTINUE DECLINE

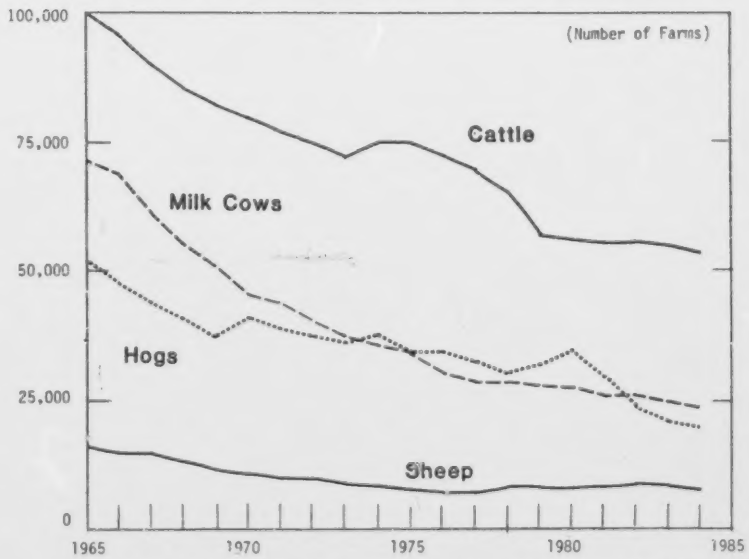
An estimated 101,000 Minnesota farms were in operation during 1984, 1,000 less than 1983. However, the state's total land in farms held steady at 30.4 million acres. Average farm size gained 3 acres to 301 acres per farm.

The number of farms in the United States in 1984 is estimated at 2.33 million, down 2% from the 2.37 million in 1983. States with the sharpest declines were Georgia, Illinois, and North Carolina.

Farm numbers gradually declined during the 1975-79 period, showed a slight increase in 1980 and 1981, then fell between 1% and 2% per year from 1982-84.

Total land in farms at 1,020 million acres is down just fractionally from 1983; this continued the steady decline that began after the peak year of 1954 when total land in farms reached 1,206 million acres. The average farm size increased from 432 to 437 acres per farm during 1983-84.

NUMBER OF MINNESOTA FARMS WITH LIVESTOCK*



*Operations having 1 or more head of the species on hand at any time during the year. Addition may be more than total farms in state.

MINNESOTA LIVESTOCK FARM NUMBERS 1/

Year	NUMBER OF OPERATIONS WITH --			
	CATTLE	MILK COWS	HOGS	SHEEP
1980	62,000	27,000	35,000	8,000
1981	62,000	26,000	30,000	8,000
1982	62,000	26,000	24,000	8,600
1983	61,000	25,000	22,000	8,400
1984	58,000	24,000	21,000	7,000

1/ Some operations may have more than one species hence sum is greater than total farms.

MINNESOTA FARM INCOME

The following farm income estimates show gross farm income, production expenses, and net returns to farm operators for their farm work (including unpaid family) and for the capital invested in their farms and equipment.

Realized gross farm income includes cash receipts from farm marketings, government payments to farmers, value of farm products consumed in the home, value of housing provided by farm dwellings, and other farm income from recreation, machine hire, and custom work. Subtracting farm production expenses from realized gross income gives the realized net farm income. The total net income includes adjustments for increases or decreases in crop or livestock inventories.

TOTAL MINNESOTA FARM INCOME

Year	Realized Gross Farm Income					Farm Production Expenses	Realized Net Farm Income	Net Change In Farm Inventory 3/	Total Net Farm Income
	Cash Receipts From Farm Marketings	Government Payments	Non-Money Income 1/	Other Farm Income 2/	Total				
	Million Dollars					Million Dollars			
1980	6,597.6	69.6	491.2	57.9	7,216.3	5,745.2	1,471.1	-279.9	1,191.2
1981	6,540.1	79.1	568.6	71.8	7,259.5	6,194.4	1,065.1	439.0	1,504.1
1982	6,650.8	182.9	575.5	74.4	7,483.6	6,327.9	1,155.7	-164.1	991.6
1983	6,277.4	610.9	546.8	57.4	7,492.6	6,117.7	1,374.9	-640.3	734.6
1984 4/	6,083.5	-----	-----	----	-------	-------	-------	-----	-----

1/ Includes value of home consumption and housing.
2/ Includes income from custom work, machine hire, and recreation.
3/ Estimated physical change in crops and livestock owned by farmers, valued at average prices prevailing during the year.
4/ Detailed data not available at time of publication.

MINNESOTA AVERAGE INCOME PER FARM 1/

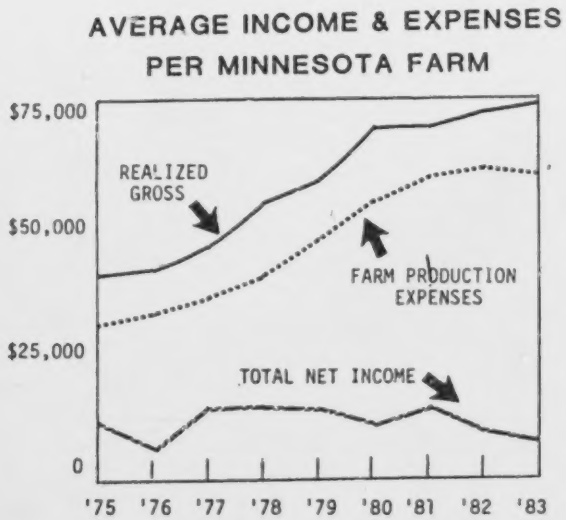
Year	Number of Farms	Cash Receipts From Farm Marketings	Realized Gross Income	Farm Production Expenses	Realized Net Income	Total Net Income
	Thousands	Dollars				
1980	104	63,438	69,388	55,242	14,145	11,454
1981	104	62,886	69,803	59,562	10,241	14,463
1982	103	64,571	72,656	61,436	11,220	9,627
1983	102	61,543	73,457	59,977	13,479	7,202
1984 2/	101	60,233	------	------	------	-----

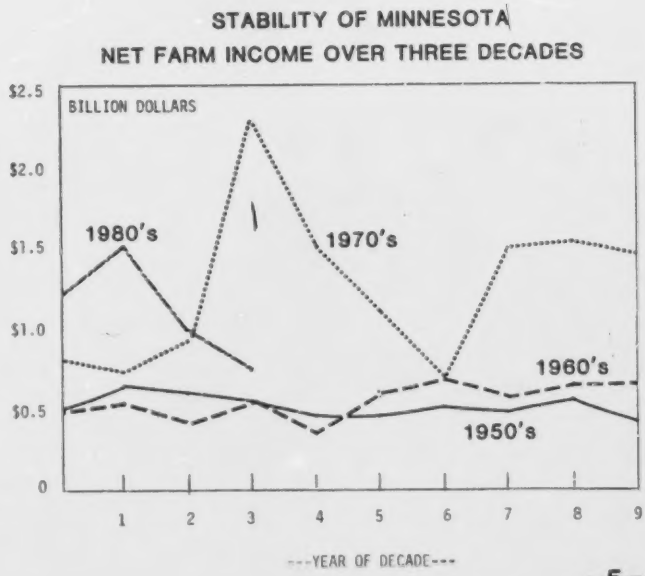
1/ Average per farm having sales of $1,000 or more.
2/ Detailed data not available at time of publication.

MINNESOTA'S JANUARY 1 FARM BALANCE SHEET (EXCLUDING FARM HOUSEHOLDS)

Item	1977	1978	1979	1980	1981	1982	1983	1984 1/
	Number							
Farms	104,000	104,000	104,000	104,000	104,000	103,000	102,000	101,000
Assets	Million dollars							
Total Farm Assets	25,344.2	29,124.2	35,544.6	41,590.7	48,070.2	47,242.4	44,081.4	41,253.7
Real estate 2/	17,970.6	20,304.1	24,862.3	29,438.8	34,647.9	33,726.6	30,023.3	27,923.8
Livestock & Poultry 3/	1,133.4	1,324.5	2,104.6	2,471.8	2,665.1	2,414.0	2,194.0	2,001.5
Machinery & motor vehicles 4/	3,678.7	4,169.1	4,708.8	5,447.2	5,844.0	6,193.1	6,446.4	6,305.0
Crops 5/	1,446.1	2,060.1	2,415.4	2,596.6	3,153.9	3,122.5	3,422.1	2,929.2
Financial assets	1,115.3	1,266.4	1,453.5	1,636.3	1,759.3	1,786.2	1,995.7	2,094.2
Claims								
Total Farm Debt	4,282.4	5,350.6	6,795.9	8,153.7	8,951.0	10,113.6	11,346.5	11,028.9
Real estate debt 6/	2,196.1	2,567.1	3,089.0	3,813.5	4,406.0	4,985.5	5,232.1	5,398.9
Nonreal estate debt 7/	1,983.3	2,273.5	2,851.9	3,561.1	3,781.0	4,095.1	4,475.5	4,491.0
CCC loans 8/	103.0	510.0	855.0	779.0	764.0	1,033.0	1,639.0	1,139.0
Equity	21,061.7	23,773.6	28,748.7	33,437.0	39,119.2	37,128.8	32,734.9	30,224.8
Ratios	Ratios							
Equity/assets	83.1	81.6	80.9	80.4	81.4	78.6	74.3	73.3
Debt/equity	20.3	22.5	23.6	24.4	22.9	27.2	34.7	36.5
Debt/assets, total	16.9	18.4	19.1	19.6	18.6	21.4	25.7	26.7
Debt/assets, real estate	12.2	12.6	12.4	13.0	12.7	14.8	17.4	19.3
Debt/assets, nonreal estate & CCC	28.3	31.6	34.7	35.7	33.9	37.9	43.5	42.2
Returns to operator/total debt	29.8	23.8	17.9	11.2	13.2	6.6	3.8	NA

NA = Not Available
1/ Preliminary. 2/ Excludes value of operator dwelling. 3/ Excludes horses, mules, broilers. 4/ Includes only farm share value for trucks and autos. 5/ All crops held on farms including crops under CCC and crops held off farms by farm operators. 6/ Excludes debt on operator dwellings. 7/ Excludes debt for nonfarm purposes. 8/ Nonrecourse CCC loans secured by crops plus storage and drying facilities owned by farmers.





MINNESOTA CASH INCOME RECEIVED BY FARMERS, BY COUNTY

District & County	1982				1983			
	Total Cash Receipts & Other Income 1/	Total Production Expenses	Realized Net Income	Total Net Income 2/	Total Cash Receipts & Other Income 1/	Total Production Expenses	Realized Net Income	Total Net Income 2/
	1,000 Dollars				1,000 Dollars			
Becker	69,088	65,910	3,178	1,154	71,637	65,065	6,572	2,355
Clay	127,030	110,887	16,143	13,568	131,411	111,718	19,693	8,759
Clearwater	23,799	21,377	2,422	1,569	23,293	21,460	1,833	1,171
Kittson	71,971	54,343	17,628	15,285	76,726	55,103	21,623	10,571
Mahnomen	25,993	22,021	3,972	3,107	28,171	21,251	6,920	3,885
Marshall	127,151	95,133	32,018	29,231	136,470	99,088	37,382	21,269
Norman	102,018	80,768	21,250	19,006	106,777	79,793	26,984	15,417
Pennington	41,317	32,097	9,220	8,125	42,810	32,092	10,718	7,443
Polk	224,820	200,616	24,204	18,514	234,180	199,380	34,800	12,993
Red Lake	33,690	26,286	7,404	6,587	34,360	26,103	8,257	5,390
Roseau	73,400	60,796	12,604	10,458	74,369	57,811	16,558	9,014
---Northwest	920,277	770,234	150,043	126,604	960,204	768,864	191,340	98,267
Beltrami	23,068	18,590	4,478	3,400	22,492	18,181	4,311	4,259
Cass	17,606	15,688	1,918	953	17,155	15,633	1,522	1,796
Hubbard	14,040	9,641	4,399	3,980	13,689	9,408	4,281	3,528
Itasca	9,830	7,097	2,733	2,086	9,352	7,069	2,283	2,644
Koochiching	6,068	5,137	931	611	5,717	5,331	386	356
Lake of Woods	9,087	7,636	1,451	1,092	9,110	7,262	1,848	1,401
---North Central	79,699	63,789	15,910	12,122	77,515	62,884	14,631	13,984
---Northeast	17,897	16,133	1,764	1,120	17,574	16,377	1,197	1,597
Big Stone	52,322	48,517	3,805	2,619	54,064	46,748	7,316	1,518
Chippewa	95,429	86,315	9,114	7,805	97,954	82,208	15,746	6,564
Douglas	61,900	54,213	7,687	6,301	62,763	53,113	9,650	5,255
Grant	63,713	60,445	3,268	2,117	66,815	57,581	9,234	2,566
Lac Qui Parle	91,994	77,670	14,324	12,148	95,098	74,248	20,850	11,262
Otter Tail	179,533	155,405	24,128	19,036	181,839	153,719	28,120	15,326
Pope	74,597	68,769	5,828	4,269	77,311	66,541	10,770	3,212
Stevens	92,889	82,105	10,784	8,398	91,263	78,257	13,006	2,893
Swift	106,258	103,004	3,254	2,011	111,413	97,253	14,160	1,241
Traverse	56,499	54,409	2,090	902	58,633	51,801	6,832	217
Wilkin	81,880	79,259	2,621	1,243	85,978	75,522	10,456	1,363
Yellow Medicine	119,577	95,022	24,555	22,555	121,530	90,964	30,566	18,540
---West Central	1,076,591	965,133	111,458	89,404	1,104,661	927,955	176,706	69,957
Benton	57,653	48,046	9,607	7,878	57,781	48,107	9,674	6,061
Carver	75,832	63,481	12,351	10,514	75,961	62,637	13,324	8,060
Kandiyohi	158,263	151,911	6,352	3,927	158,410	150,228	8,182	-3,454
McLeod	104,359	85,006	19,353	17,296	105,006	82,281	22,725	12,627
Meeker	114,438	102,785	11,653	9,765	115,079	101,443	13,636	5,242
Morrison	100,122	85,465	14,657	11,428	100,559	85,935	14,624	8,994
Renville	200,022	170,876	29,146	27,146	197,993	163,493	34,500	15,852
Scott	57,885	51,455	6,430	5,083	57,680	50,211	7,469	4,053
Sherburne	42,355	40,730	1,625	708	41,127	40,339	788	-1,459
Sibley	137,110	120,099	17,011	14,708	135,523	116,982	18,541	8,571
Stearns	236,466	205,372	31,094	25,452	237,891	205,089	32,802	21,553
Todd	99,562	82,178	17,384	14,381	99,869	81,815	18,054	10,410
Wadena	32,357	25,844	6,513	5,456	32,233	26,086	6,147	5,448
Wright	97,049	81,441	15,608	13,273	96,699	79,901	16,798	9,982
---Central	1,513,473	1,314,689	198,784	167,015	1,511,811	1,294,547	217,264	111,940

MINNESOTA CASH INCOME RECEIVED BY FARMERS, BY COUNTY (CONT'D)

District & County	1982				1983			
	Total Cash Receipts & Other Income 1/	Total Production Expenses	Realized Net Income	Total Net Income 2/	Total Cash Receipts & Other Income 1/	Total Production Expenses	Realized Net Income	Total Net Income 2/
	1,000 Dollars				1,000 Dollars			
Aitkin	22,663	19,126	3,537	2,662	22,065	19,347	2,718	2,827
Anoka	24,639	23,152	1,487	1,232	23,234	22,989	245	-2,037
Carlton	16,408	15,366	1,042	333	16,186	15,367	819	1,189
Chisago	37,693	33,822	3,871	2,885	37,845	33,127	4,718	1,327
Crow Wing	20,344	17,829	2,515	1,896	20,103	18,284	1,819	1,050
Hennepin	44,056	37,896	6,160	5,116	43,426	37,565	5,861	3,515
Isanti	32,886	28,634	4,252	3,846	33,889	28,192	5,697	1,719
Kanabec	29,260	22,392	6,868	5,351	29,123	22,268	6,855	4,951
Mille Lacs	38,213	26,283	11,930	10,621	38,578	25,974	12,604	10,638
Pine	46,489	39,895	6,594	4,970	46,429	40,068	6,361	5,258
Ramsey	4,170	3,470	700	679	4,053	3,700	353	288
Washington	39,577	32,995	6,582	5,861	39,005	32,851	6,154	2,304
---East Central	356,398	300,860	55,538	45,452	353,936	299,732	54,204	33,029
Cottonwood	155,696	127,313	28,383	25,861	152,339	122,610	29,729	18,319
Jackson	173,201	148,130	25,071	22,706	168,937	141,577	27,360	12,087
Lincoln	68,635	60,071	8,564	6,543	67,779	58,113	9,666	3,380
Lyon	136,934	113,170	23,764	20,860	133,579	108,776	24,803	14,070
Murray	129,117	100,635	28,482	25,257	126,613	96,904	29,709	18,213
Nobles	165,013	129,875	35,138	32,328	158,197	125,426	32,771	20,762
Pipestone	75,443	65,603	9,840	7,578	73,322	64,555	8,767	2,473
Redwood	179,537	146,883	32,654	29,955	178,343	140,423	37,920	21,674
Rock	116,137	99,769	16,368	12,970	111,587	96,490	15,097	7,072
---Southwest	1,199,713	991,449	208,264	184,058	1,170,696	954,874	215,822	118,050
Blue Earth	167,427	129,996	37,431	35,783	165,231	123,980	41,251	27,309
Brown	132,016	109,705	22,311	20,350	128,268	106,004	22,264	12,250
Faribault	186,585	159,048	27,537	25,826	184,100	152,039	32,061	17,389
Freeborn	186,003	146,416	39,587	36,999	183,540	140,574	42,966	26,191
LeSueur	92,305	75,377	16,928	15,359	90,268	73,002	17,266	10,904
Martin	193,978	149,341	44,637	41,874	189,462	143,022	46,440	30,329
Nicollet	108,694	92,962	15,732	14,155	106,182	89,700	16,482	8,888
Rice	106,672	93,556	13,116	10,722	106,586	91,338	15,248	7,233
Steele	97,559	73,383	24,176	22,644	97,543	70,530	27,013	16,875
Waseca	100,093	84,944	15,149	14,135	101,069	81,290	19,779	8,823
Watonwan	106,284	80,134	26,150	24,844	105,079	76,308	28,771	18,741
---South Central	1,477,616	1,194,862	282,754	262,691	1,457,328	1,147,787	309,541	184,932
Dakota	92,376	72,625	19,751	18,226	90,538	70,230	20,308	11,245
Dodge	108,372	90,267	18,105	16,241	105,536	87,755	17,781	7,482
Fillmore	166,837	134,946	31,891	26,301	164,521	131,814	32,707	16,434
Goodhue	148,414	116,925	31,489	27,528	149,136	113,702	35,434	25,098
Houston	87,852	71,876	15,976	12,426	84,489	70,947	13,542	8,886
Mower	154,842	129,541	25,301	23,341	154,886	124,139	30,747	13,566
Olmsted	120,297	94,073	26,224	23,031	120,940	91,504	29,436	18,186
Wabasha	92,798	70,164	22,634	19,062	91,736	68,794	22,942	17,523
Winona	107,355	95,173	12,182	9,343	107,056	94,222	12,834	5,919
---Southeast	1,079,143	875,590	203,553	175,499	1,068,838	853,107	215,731	124,339
***MINNESOTA	7,720,807	6,492,739	1,228,068	1,063,965	7,722,563	6,326,127	1,396,436	756,095

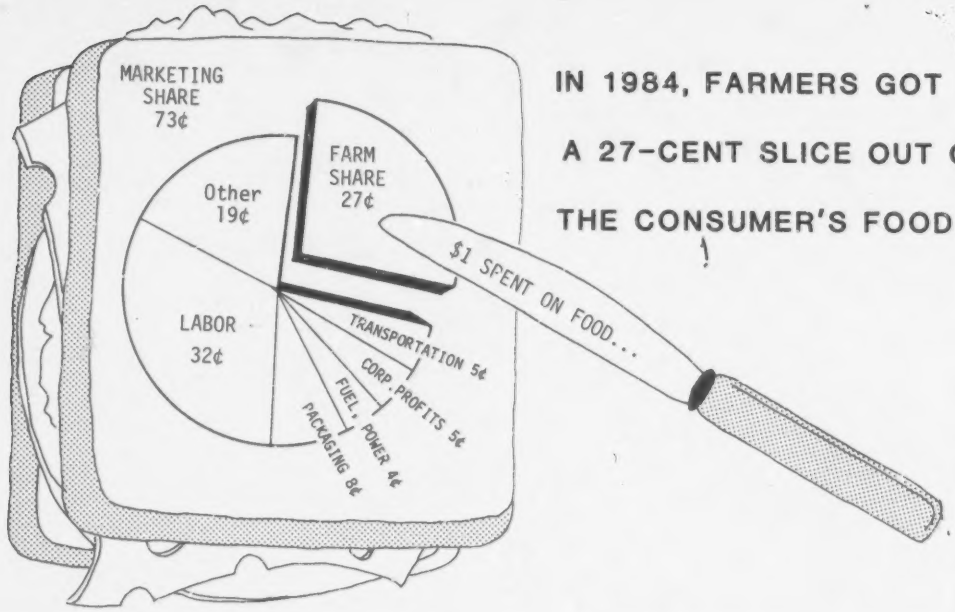
1/ Cash receipts are sales of farm products; they include estimates of inter-farm and intra-state sales of livestock, resulting in larger total cash receipts than USDA estimates. Other income includes government payments, imputed income, and rent received. 2/ Realized net plus value of inventory change.

SOURCE: BUREAU OF ECONOMIC ANALYSIS, U.S. DEPT. OF COMMERCE, WASHINGTON, D.C.

MINNESOTA CASH RECEIPTS FROM FARM MARKETINGS

Commodity	1981 1/		1982 1/		1983	
	Dollars	Percent of Total	Dollars	Percent of Total	Dollars	Percent of Total
	000	Percent	000	Percent	000	Percent
CROPS 2/						
FEED CROPS						
Corn	1,067,972	16.3	1,009,628	15.2	837,544	13.3
Oats	72,934	1.1	70,446	1.0	61,564	1.0
Barley	92,046	1.4	91,079	1.4	85,199	1.3
Hay	59,271	0.9	57,064	0.8	64,570	1.0
FOOD GRAINS						
Wheat	488,622	7.5	480,207	7.2	439,618	7.0
Rye	6,433	0.1	8,150	0.1	13,015	0.2
OIL CROPS						
Soybeans	900,264	13.8	943,456	14.2	1,058,204	16.9
Flaxseed	10,083	0.1	8,999	0.1	3,502	0.1
Sunflowers	119,697	1.8	66,141	1.0	45,034	0.7
VEGETABLE CROPS						
Potatoes	88,764	1.4	59,165	0.9	54,851	0.9
Sweet Corn (Processing)	32,852	0.5	38,486	0.6	26,378	0.4
Green Peas (Processing)	20,118	0.3	22,958	0.3	18,377	0.3
Dry Beans	29,708	0.4	11,628	0.2	12,295	0.2
All Seed Crops 3/	6,248	0.1	6,519	0.1	6,222	0.1
Apples	3,917	0.1	4,403	0.1	4,365	0.1
Sugarbeets	88,060	1.3	162,513	2.4	158,672	2.5
Greenhouse and Nursery	24,500	0.4	24,500	0.4	24,500	0.4
Forest Products	3,658	0.1	3,658	0.1	3,658	0.1
Other Crops & Vegetables 4/	32,866	0.5	31,834	0.5	31,507	0.5
TOTAL CROPS	3,148,013	48.1	3,100,834	46.6	2,949,075	47.0
LIVESTOCK PRODUCTS						
MEAT ANIMALS						
Cattle & Calves	950,493	14.5	1,008,875	15.2	835,367	13.3
Hogs	792,788	12.1	847,678	12.7	733,756	11.7
Sheep & Lambs	11,120	0.2	14,716	0.2	15,480	0.2
DAIRY PRODUCTS	1,306,692	20.0	1,333,046	20.0	1,402,049	22.3
POULTRY & EGGS						
Turkeys	152,658	2.3	172,887	2.6	158,263	2.5
Turkey Eggs	22,160	0.3	21,336	0.3	21,864	0.3
Broilers	30,476	0.5	26,663	0.4	30,866	0.5
Farm Chickens	1,792	*	2,670	*	2,844	*
Eggs	101,400	1.6	99,701	1.5	101,879	1.6
Wool	1,576	*	1,087	*	823	*
Miscellaneous Other Livestock & Products 5/	20,882	0.3	21,339	0.3	25,141	0.4
TOTAL LIVESTOCK	3,392,037	51.9	3,549,998	53.4	3,328,332	53.0
TOTAL ALL CROPS AND LIVESTOCK	6,540,050	100.0	6,650,832	100.0	6,277,407	100.0

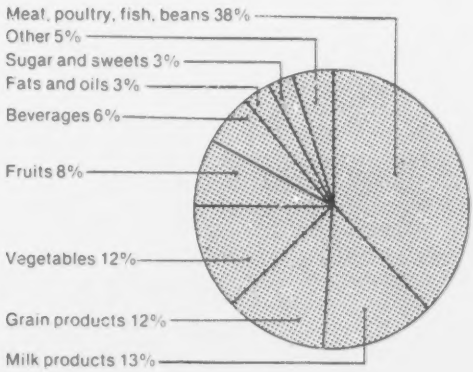
1/ Revised. 2/ Includes Commodity Credit Corporation loans (calculated by crop open market sales plus net CCC loans). 3/ Kentucky bluegrass, red clover, timothy, and other seeds. 4/ Asparagus, green lima beans, snap beans, cabbage, onions, carrots, cucumbers, miscellaneous vegetables, mushrooms, other fruit and field crops. 5/ Mink, goats, horses, mules, ducks, geese, honey, beeswax, and other livestock. * Less than .05%.
NOTE: Percents may not add to totals because of rounding.



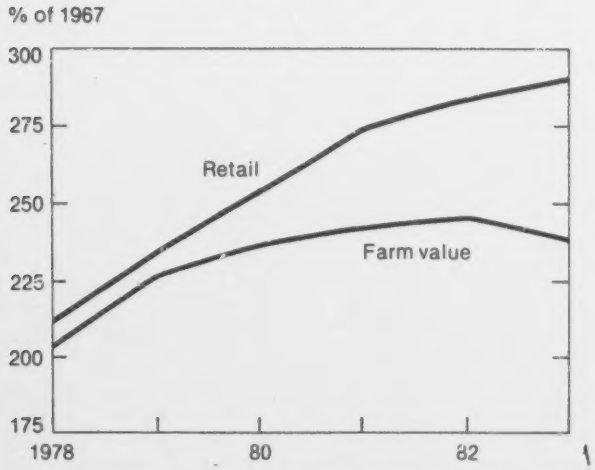
IN 1984, FARMERS GOT ONLY A 27-CENT SLICE OUT OF THE CONSUMER'S FOOD DOLLAR

FOOD GROUPS' SHARE OF HOME FOOD DOLLARS

(Based on 1977-78 data. Meat group includes eggs, nuts, peanut butter. Beverages include beverage powders and mixes, ades, punches, regular soft drinks, alcoholic beverages. Other includes diet soft drinks, plain coffee, tea, cocoa. Mixtures are in group of main ingredient.)

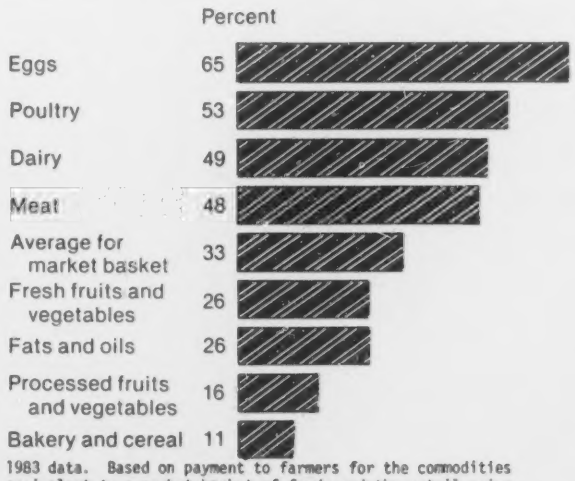


Food Prices: Retail and Farm Value



Source: Retail prices, all food, Bureau of Labor Statistics. Farm value of domestically produced foods, U.S. Department of Agriculture.

Farm Share of Retail Food Prices



1983 data. Based on payment to farmers for the commodities equivalent to a market basket of foods and the retail price. "Average for market basket" differs from chart at top of page because the market basket series does not include foods consumed away from home, nonfarm produced foods, imported foods.

MINNESOTA FARM EXPORTS BOOST STATE'S ECONOMY

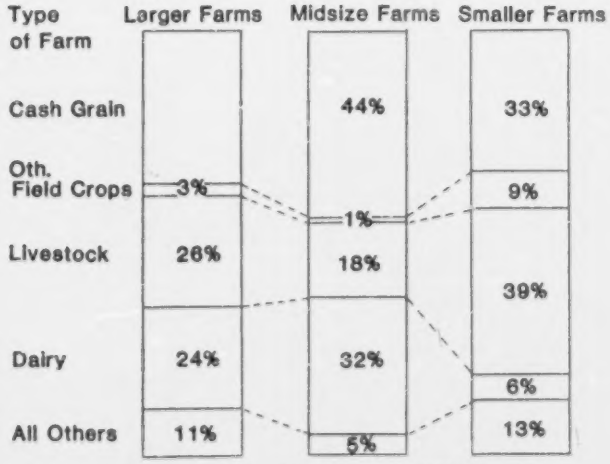
Based on Minnesota's farm output, the state's ag exports totaled $2.07 billion in fiscal 1984, up 14% from 1983.

Shown at the right is the value of these exports by commodity group. These shares are derived from Minnesota's contribution to U.S. production and/or sales. They are not actual exports but reflect Minnesota's important stake in the national export market.

1984 Minn. Ag Exports Worth $2.07 Bil.

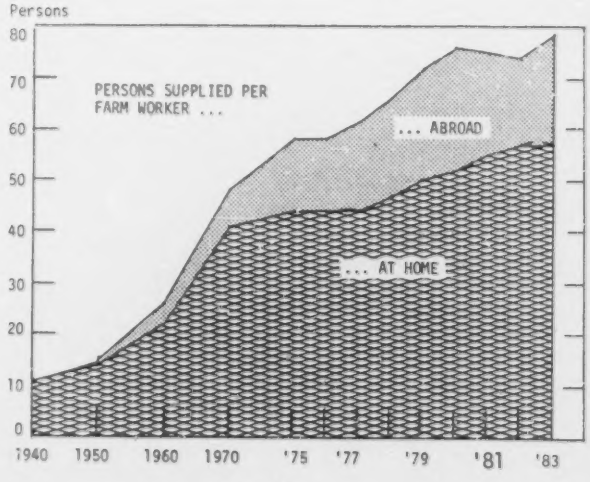
FEEDGRAINS	$747 Mil.
SOYBEANS & PRODUCTS	$701 Mil.
WHEAT & PRODUCTS	$301 Mil.
SUNFLOWER SEEDS AND OIL	$ 36 Mil.
DAIRY PRODUCTS	$ 65 Mil.
LIVE ANIMALS & MEAT (Excl. Poultry)	$ 40 Mil.
VEGETABLES	$ 36 Mil.
HIDES & SKINS	$ 40 Mil.
FATS, OILS, GREASES	$ 24 Mil.
POULTRY	$ 24 Mil.
OTHER	$ 61 Mil.
TOTAL	$2,075 Mil.

TYPE OF FARM by VALUE OF AG PRODUCTS SOLD, MINNESOTA, 1982*



*Value of ag products sold for larger farms is $100,000 and over; for mid-size farms $20,000-$99,999; and for smaller farms, $1,000-$19,999. Source: 1982 Census of Agriculture.

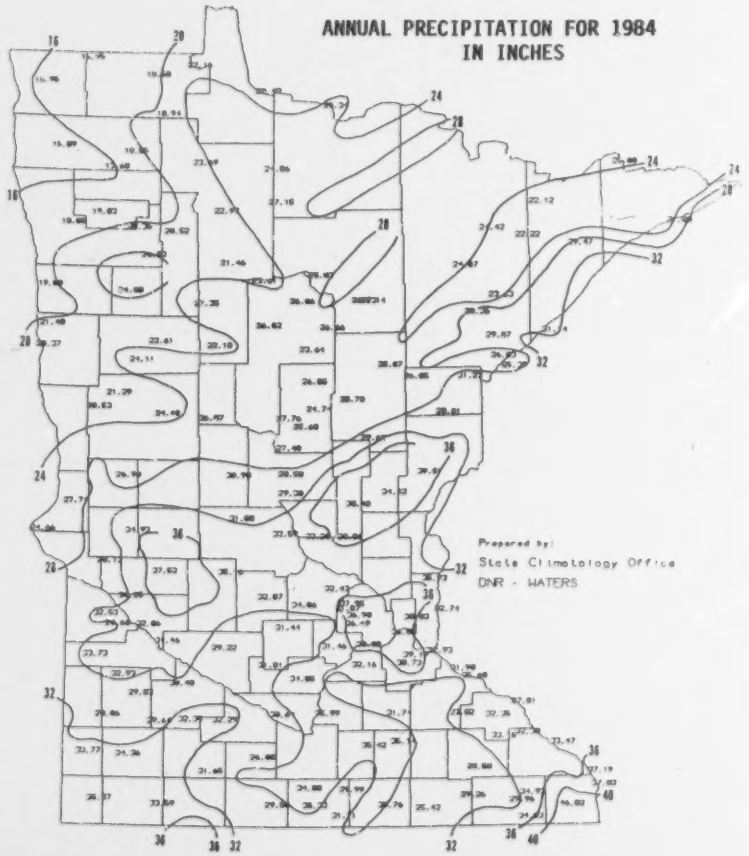
HOW MANY PERSONS DOES 1 FARMER FEED?

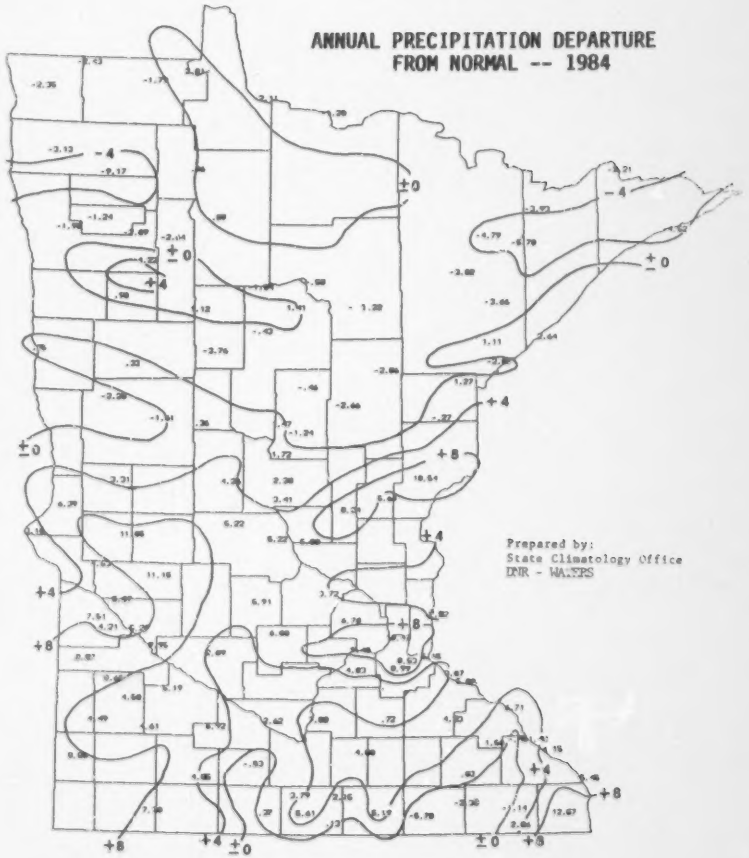


CLIMATIC SUMMARY

The precipitation maps for 1984 show very wet conditions in the southwest and most of the west central, central, and east central districts. Departures of greater than 4 inches above normal precipitation were recorded in a major portion of these districts; the area with departures in excess of 8 inches was also very large. Departures from normal in other areas of the state were more variable and can be seen on the accompanying map. The greatest recorded amount was 46.82 inches in Houston county and the least was 13.68 inches on the Marshall-Pennington county line.

The observations used to prepare the maps were supplied by National Weather Service Coop observers. Each number plotted on the map refers to a station which is located at the left-most digit in each number. For example, the number in the far southeastern corner of the annual precipitation map is "46.82"; this is a reading for a station located at the "4". The reference period for precipitation normals is 1951--1980.



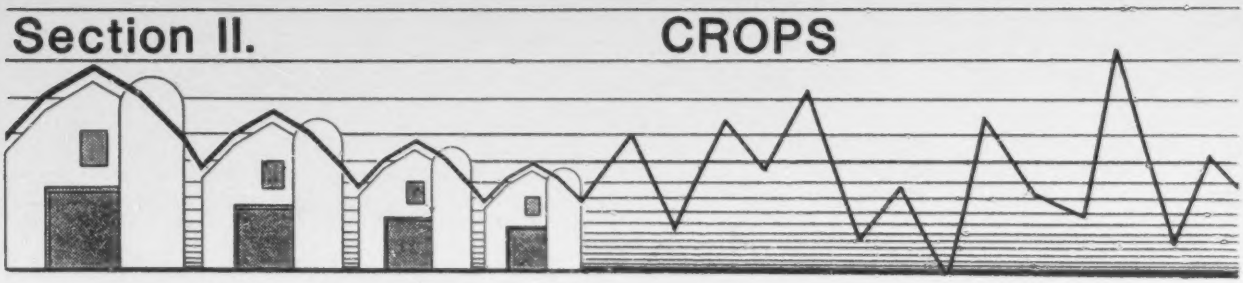


AVERAGE FROST DATES IN MINNESOTA 1/

District and station	County	Average date of last temperature occurrence in spring of:			Average date of first temperature occurrence in fall of:			Number of days between average last spring and first fall occurrence of:		
		24°F	28°F	32°F	32°F	28°F	24°F	32°F	28°F	24°F
Northwest District (1):										
Ada	Norman	APR 29	MAY 9	MAY 23	SEP 20	SEP 30	OCT 8	120	144	162
Argyle	Marshall	MAY 3	MAY 12	MAY 24	SEP 17	SEP 29	OCT 7	116	140	157
Crookston	Polk	APR 29	MAY 9	MAY 22	SEP 21	OCT 1	OCT 11	122	145	165
Detroit Lakes	Becker	APR 28	MAY 8	MAY 20	SEP 22	OCT 3	OCT 14	125	148	169
Fosston	Polk	MAY 1	MAY 10	MAY 24	SEP 16	SEP 30	OCT 9	115	143	161
Hallock	Kittson	MAY 10	MAY 16	MAY 28	SEP 15	SEP 26	OCT 2	110	133	145
Moorhead	Clay	APR 22	MAY 3	MAY 12	SEP 28	OCT 8	OCT 16	139	158	177
Red Lake Falls	Red Lake	MAY 3	MAY 14	MAY 23	SEP 16	SEP 27	OCT 7	116	136	157
Roseau	Roseau	MAY 6	MAY 16	MAY 26	SEP 13	SEP 23	OCT 6	110	130	153
Warroad	Roseau	MAY 3	MAY 12	MAY 24	SEP 19	SEP 30	OCT 9	118	141	159
North Central District (2):										
Baudette	Lake of the Woods	MAY 1	MAY 13	MAY 26	SEP 15	SEP 28	OCT 6	112	138	158
Bemidji	Beltrami	MAY 1	MAY 17	MAY 29	SEP 13	SEP 28	OCT 3	107	134	155
Big Falls	Koochiching	MAY 4	MAY 17	JUN 4	SEP 7	SEP 18	OCT 4	95	124	153
Grand Rapids	Itasca	MAY 6	MAY 17	MAY 30	SEP 9	SEP 23	OCT 3	102	129	150
Park Rapids	Hubbard	MAY 1	MAY 11	MAY 21	SEP 20	OCT 3	OCT 9	122	145	161
Northeast District (3):										
Babbitt	St. Louis	MAY 1	MAY 12	MAY 20	SEP 24	OCT 8	OCT 16	127	149	168
Duluth (Airport)	St. Louis	MAY 3	MAY 8	MAY 22	SEP 24	OCT 6	OCT 17	125	151	167
Grand Marais	Cook	APR 25	MAY 11	MAY 23	SEP 29	OCT 13	OCT 25	129	155	183
Meadowlands	St. Louis	MAY 11	MAY 20	JUN 4	AUG 31	SEP 16	OCT 2	68	119	144
Two Harbors	Lake	APR 21	MAY 3	MAY 15	OCT 5	OCT 17	OCT 31	143	167	193
Virginia	St. Louis	MAY 4	MAY 13	MAY 26	SEP 18	SEP 29	OCT 9	115	139	158
West Central District (4):										
Alexandria	Douglas	APR 19	MAY 1	MAY 12	SEP 30	OCT 8	OCT 25	141	160	189
Beardsley	Big Stone	APR 25	MAY 6	MAY 17	SEP 23	OCT 2	OCT 12	129	149	167
Campbell	Wilkin	APR 28	MAY 5	MAY 18	SEP 22	SEP 30	OCT 7	127	148	162
Canby	Yellow Medicine	APR 18	APR 29	MAY 10	OCT 2	OCT 10	OCT 22	145	164	187
Fergus Falls	Otter Tail	APR 23	MAY 2	MAY 13	SEP 25	OCT 6	OCT 18	135	157	178
Montevideo	Lac Qui Parle	APR 16	APR 28	MAY 7	OCT 1	OCT 13	OCT 24	147	168	191
Morris	Stevens	APR 23	MAY 6	MAY 15	SEP 25	OCT 2	OCT 14	133	149	174
Wheaton	Traverse	APR 24	MAY 4	MAY 10	SEP 25	OCT 3	OCT 15	138	152	172
Central District (5):										
Bird Island	Renville	APR 14	APR 27	MAY 9	SEP 30	OCT 10	OCT 22	144	166	191
Little Falls	Morrison	APR 22	APR 30	MAY 10	SEP 26	OCT 7	OCT 18	139	160	180
St. Cloud	Stearns	APR 18	APR 24	MAY 9	SEP 29	OCT 13	OCT 21	143	172	186
Wadena	Wadena	APR 27	MAY 8	MAY 22	SEP 21	SEP 30	OCT 12	122	145	168
Willmar	Kandiyohi	APR 19	APR 28	MAY 8	SEP 29	OCT 7	OCT 23	144	162	187
East Central District (6):										
Brainerd	Crow Wing	APR 24	MAY 4	MAY 16	SEP 24	SEP 30	OCT 14	131	149	173
Cambridge	Isanti	APR 20	APR 29	MAY 13	SEP 26	OCT 5	OCT 17	136	169	170
Hinckley	Pine	APR 22	MAY 4	MAY 19	SEP 24	OCT 3	OCT 14	128	152	175
Maple Plain	Hennepin	APR 16	APR 26	MAY 7	OCT 5	OCT 14	OCT 26	151	171	193
Milaca	Mille Lacs	APR 22	MAY 3	MAY 12	SEP 25	OCT 8	OCT 18	136	158	179
Moose Lake	Carlton	APR 30	MAY 15	MAY 24	SEP 13	SEP 27	OCT 13	112	135	166
Mora	Kanabec	APR 22	MAY 5	MAY 14	SEP 26	OCT 2	OCT 17	135	150	178
Southwest District (7):										
Pipestone	Pipestone	APR 20	MAY 3	MAY 9	OCT 1	OCT 9	OCT 22	145	159	185
Redwood Falls	Redwood	APR 14	APR 26	MAY 3	OCT 3	OCT 15	OCT 23	153	172	192
Tracy	Lyon	APR 17	APR 30	MAY 8	OCT 6	OCT 15	OCT 23	151	168	179
Worthington	Nobles	APR 15	APR 30	MAY 7	OCT 4	OCT 16	OCT 23	150	169	191
South Central District (8):										
Albert Lea	Freeborn	APR 6	APR 20	MAY 3	OCT 6	OCT 21	OCT 28	156	184	205
Fairmont	Martin	APR 11	APR 25	MAY 5	OCT 8	OCT 18	OCT 27	156	176	199
Faribault	Rice	APR 17	APR 27	MAY 6	OCT 5	OCT 17	OCT 25	152	173	191
New Ulm	Brown	APR 19	MAY 1	MAY 13	SEP 27	OCT 6	OCT 21	137	158	185
St. Peter	Nicollet	APR 10	APR 28	MAY 9	SEP 30	OCT 12	OCT 23	144	167	196
Waseca	Waseca	APR 18	APR 28	MAY 9	SEP 29	OCT 10	OCT 23	143	165	188
Winnebago	Faribault	APR 13	APR 28	MAY 5	OCT 6	OCT 18	OCT 27	154	173	197
Southeast District (9):										
Farmington	Dakota	APR 15	APR 25	MAY 9	OCT 1	OCT 10	OCT 22	145	168	190
Grand Meadow	Mower	APR 14	MAY 1	MAY 10	SEP 29	OCT 11	OCT 25	142	163	194
Winona	Winona	APR 2	APR 17	APR 28	OCT 9	OCT 22	NOV 2	164	188	215
Zumbrota	Goodhue	APR 19	MAY 3	MAY 14	SEP 30	OCT 7	OCT 19	139	157	183

1/ From data prepared by the National Weather Service Forecast Office, Minneapolis, Minnesota.

Section II. CROPS



1984 WENT DOWN IN MINNESOTA AG HISTORY AS A RECORD-BREAKING YEAR FOR SMALL GRAINS AND SOYBEANS. ALL SMALL GRAIN YIELDS EXCEPT OATS AND FLAX WERE RECORD HIGH, SOME BY AS MUCH AS 7 BUSHELS. THE STATE'S 1984 SOYBEAN CROP ALSO SET A RECORD.

Minnesota's 1984 **CORN** production of 689.1 million bushels was 88% above the PIK-reduced crop of 1983 but was 6% below the 1982 crop. The average corn yield was 107 bushels per acre.

SOYBEAN production was estimated at 172.9 million bushels, up 14% from 1983 and 2% above the record 1982 crop. Plantings totaled 5.3 million acres, lower than what farmers had intended to plant. Adverse weather the first two weeks of June 1984 delayed planting by three weeks in the west central and southwestern parts of the state and farmers were unable to carry out their planting intentions.

Minnesota's 1984 **WHEAT** crop totaled 120.7 million bushels, 53% above 1983 but 5% below 1982. The average yield of 47.3 bushels per acre was a record by 7.4 bushels.

OATS production of 78.0 million bushels was 1% above 1983 but 20% below 1982.

Minnesota's **BARLEY** yield of 65.0 bushels per acre was a record by 7 bushels. Production of 61.8 million bushels was up 42% from 1983 and a record production for Minnesota, surpassing the old record set in 1935.

RYE producers combined 6.65 million bushels, up 34% from 1983 and the largest production since 1938. Yield of 38.0 bushels per acre beat the old record set in 1973 by 3 bushels.

ALL SUNFLOWER planted acreage of 264,000 was up 6% from 1983. Production of 313.1 million pounds was up 18%. The average yield of 1,247 pounds per acre was up 141 pounds.

FLAX production of 653,000 bushels was down 30% from 1983 and down 60% from 1982. The average yield was 14.5 bushels per acre.

SUGARBEET tonnage of 4.35 million tons was down 7% from 1983. Yield at 16.7 tons per acre was down 1.3 tons from 1983.

ALL HAY production in Minnesota at 8.44 million tons was up 1%.

DRY EDIBLE BEAN production at 700,000 hundredweight was up 55% from 1983 but down 26% from 1982.

MINNESOTA & U.S. CROP PRODUCTION RECORDS

Crop	Plantings (000 Acres)		Yield Per Acre		Production (000)	
CORN:						
Minnesota	7,700	1981	113.0 Bu.	1982	744,700 Bu.	1981
United States	113,024	1932	113.2 Bu.	1982	8,235,101 Bu.	1982
SOYBEANS:						
Minnesota	5,300	1984	36.0 Bu.	1978	172,920 Bu.	[illegible]
United States	71,411	1979	32.1 Bu.	1979	2,260,665 Bu.	1979
ALL WHEAT:						
Minnesota	6,375 1/	1899	47.3 Bu.	1984	140,025 Bu.	1981
United States	88,251	1981	39.4 Bu.	1983	2,785,357 Bu.	1981
BARLEY:						
Minnesota	2,380	1935	65.0 Bu.	1984	61,750 Bu.	1984
United States	19,686	1942	57.2 Bu.	1982	596,546 Bu.	1984
OATS:						
Minnesota	5,466	1945	68.0 Bu.	1977	242,640 Bu.	1945
United States	47,494	1955	58.1 Bu.	1984	1,523,851 Bu.	1945
ALL HAY:						
Minnesota	4,721 1/	1941	3.02 Tons	1979	8,910 Tons	1979
United States	77,639 1/	1944	2.50 Tons	1982	150,781 Tons	1984
FLAX:						
Minnesota	1,758	1943	15.5 Bu.	1978	19,102 Bu.	1948
United States	6,182	1943	14.0 Bu.	1982	54,803 Bu.	1948
RYE:						
Minnesota	665	1937	38.0 Bu.	1984	23,522 Bu.	1922
United States	7,235	1937	33.0 Bu.	1984	125,144 Bu.	1918
SUGARBEETS:						
Minnesota	266	1984	18.9 Tons	1978	4,971 Tons	1978
United States	1,647	1969	22.4 Tons	1981	29,704 Tons	1975
ALL SUNFLOWERS:						
Minnesota	1,400	1979	1,558 Lbs.	1977	1,870,620 Lbs.	1979
United States	5,555	1979	1,365 Lbs.	1978	7,296,110 Lbs.	1979

1/ Harvested acres.

MINNESOTA STOCKS & CROP PRICE RECORDS

Crop	Farm Stocks (000)	Off-Farm Stocks (000)	High Monthly Price	Low Monthly Price
Minnesota Corn	763,880 Bu. Jan. 1, 1983	170,367 Bu. Jan. 1, 1983	$3.34 Bu. October 1974	$0.13 Bu. February 1933
Minnesota Soybeans	116,645 Bu. Jan. 1, 1983	56,769 Bu. Jan. 1, 1970	$10.00 Bu. June 1973	$0.65 Bu. August 1939
Minnesota All Wheat	136,954 Bu. Oct. 1, 1982	90,136 Bu. Oct. 1, 1964	$5.38 Bu. February 1974	$0.33 Bu. December 1932
Minnesota Barley	59,280 Bu. Oct. 1, 1984	33,651 Bu. Oct. 1, 1970	$3.82 Bu. November 1974	$0.16 Bu. Feb.,March 1933
Minnesota Oats	208,670 Bu. Oct. 1, 1945	78,566 Bu. Oct. 1, 1971	$2.04 Bu. March 1981	$0.10 Bu. October 1932
Minnesota Flax	6,695 Bu. Oct. 1, 1950	21,538 Bu. Oct. 1, 1949	$10.80 Bu. March, Aug.1974	$0.82 Bu. August 1932
Minnesota Rye	4,356 Bu. Dec. 1, 1940	12,720 Bu. Oct. 1, 1972	$2.93 Bu.1/ 1981	$0.19 Bu. December 1932

1/ Highest annual price since monthly prices were discontinued in June 1976.

RECORDS SET IN MINNESOTA & U.S. CROPS

MINNESOTA

Agriculture

GETTING READY FOR HARVEST
Photo by Paul Hansen,
Minn. Dept. of Agriculture

MINNESOTA *Agriculture*

CORN COMBINING IN SOUTHERN MINNESOTA
Photo by Paul Hansen,
Minn. Dept. of Agriculture

MINNESOTA CROP ACREAGE, YIELD, PRODUCTION, PRICE, AND VALUE

Crop Year	Acreage Planted	Acreage Harvested	Yield Per Harvested Acre	Production	Season Average Price	Farm Value of Production
			CORN FOR GRAIN			
	1,000 Acres 1/	1,000 Acres	Bushels	1,000 Bushels	Dols.Per Bu.2/	1,000 Dols.
1980	7,250	6,290	97.0	610,130	2.85	1,738,871
1981	7,700	6,770	110.0	744,700	2.33	1,735,151
1982	7,300	6,500	113.0	734,500	2.63	1,931,735
1983	5,100	4,370	84.0	367,080	3.05	1,119,594
1984	7,250	6,440	107.0	689,080	2.50 3/	1,722,700
			CORN FOR SILAGE			
		1,000 Acres	Tons	1,000 Tons		
1980	-----	880	12.0	10,560	----	---
1981	-----	810	13.5	10,935	----	---
1982	-----	730	13.5	9,855	----	---
1983	-----	650	11.5	7,475	----	---
1984	-----	700	12.0	8,400	----	---
			SOYBEANS			
	1,000 Acres	1,000 Acres	Bushels	1,000 Bushels	Dols.Per Bu.2/	1,000 Dols.
1980	4,800	4,760	31.5	149,940	7.23	1,084,066
1981	4,460	4,350	32.0	139,200	5.77	803,184
1982	4,950	4,830	35.0	169,050	5.81	982,181
1983	4,650	4,600	33.0	151,800	7.64	1,159,752
1984	5,300	5,240	33.0	172,920	5.65 3/	976,998
			OATS			
	1,000 Acres	1,000 Acres	Bushels	1,000 Bushels	Dols.Per Bu.2/	1,000 Dols.
1980	1,650	1,450	57.0	82,650	1.70	140,505
1981	1,600	1,430	63.0	90,090	1.82	163,964
1982	1,700	1,530	64.0	97,920	1.36	133,171
1983	2,800	1,350	57.0	76,950	1.57	120,812
1984	1,500	1,200	65.0	78,000	1.60 3/	124,800
			BARLEY			
	1,000 Acres	1,000 Acres	Bushels	1,000 Bushels	Dols.Per Bu.2/	1,000 Dols.
1980	900	815	42.5	34,638	2.75	95,255
1981	1,050	1,030	56.0	57,680	2.21	127,473
1982	900	880	58.0	51,040	2.04	104,122
1983	1,000	820	53.0	43,460	2.34	101,696
1984	1,050	950	65.0	61,750	2.10 3/	129,675
			RYE			
	1,000 Acres	1,000 Acres	Bushels	1,000 Bushels	Dols.Per Bu.2/	1,000 Dols.
1980	85	76	25.0	1,900	2.80	5,320
1981	100	93	31.0	2,883	2.93	8,447
1982	120	100	33.0	3,300	2.31	7,623
1983	200	160	31.0	4,960	2.09	10,366
1984	200	175	38.0	6,650	1.75 3/	11,638

1/ Acreage planted to corn is for "all purposes". 2/ Season average prices include an allowance for loans outstanding and purchases by the government valued at average loan and purchase rate but exclude deficiency payments, if any. 3/ Preliminary.

MINNESOTA CROP ACREAGE, YIELD, PRODUCTION, PRICE, AND VALUE (CONT'D)

Crop Year	Acreage Planted	Acreage Harvested	Yield Per Harvested Acre	Production	Season Average Price	Farm Value Of Production
			ALL WHEAT			
	1,000 Acres	1,000 Acres	Bushels	1,000 Bushels	Dols.Per Bu.1/	1,000 Dols.
1980	3,615	3,169	32.4	102,556	4.04	414,575
1981	3,670	3,610	39.9	144,025	3.72	536,118
1982	3,240	3,184	39.8	126,809	3.75	475,451
1983	2,340	2,140	36.9	78,960	3.82	301,413
1984	2,635	2,553	47.3	120,711	3.43 2/	414,596
			SPRING WHEAT (OTHER THAN DURUM)			
	1,000 Acres	1,000 Acres	Bushels	1,000 Bushels	Dols.Per Bu.1/	1,000 Dols.
1980	3,400	2,980	32.5	96,850	3.99	386,432
1981	3,400	3,350	40.0	134,000	3.73	499,820
1982	3,070	3,020	40.0	120,800	3.75	453,000
1983	2,200	2,030	37.0	75,110	3.82	286,920
1984	2,200	2,160	48.0	103,680	3.45 2/	367,696
			DURUM WHEAT			
	1,000 Acres	1,000 Acres	Bushels	1,000 Bushels	Dols.Per Bu.1/	1,000 Dols.
1980	140	120	28.0	3,360	5.59	18,782
1981	140	135	40.0	5,400	3.63	19,602
1982	80	78	39.0	3,042	3.83	11,651
1983	40	35	35.0	1,225	4.01	4,912
1984	35	33	47.0	1,551	3.75 2/	5,816
			WINTER WHEAT			
	1,000 Acres	1,000 Acres	Bushels	1,000 Bushels	Dols.Per Bu.1/	1,000 Dols.
1980	75	69	34.0	2,346	3.99	9,361
1981	130	125	37.0	4,625	3.61	16,696
1982	90	86	34.5	2,967	3.64	10,800
1983	100	75	35.0	2,625	3.65	9,581
1984	400	360	43.0	15,480	3.30 2/	51,084
			FLAXSEED			
	1,000 Acres	1,000 Acres	Bushels	1,000 Bushels	Dols.Per Bu.1/	1,000 Dols.
1980	140	125	12.5	1,563	7.18	11,222
1981	115	104	12.5	1,300	6.88	8,944
1982	120	110	15.0	1,650	5.20	8,580
1983	85	75	12.5	938	6.68	6,266
1984	50	45	14.5	653	5.85 2/	3,820
			SUGARBEETS			
	Acres	Acres	Tons	Tons	Dols.Per Ton 3/	1,000 Dols.
1980	260,000	243,000	14.9	3,621,000	44.10	159,686
1981	259,000	256,000	17.2	4,403,000	20.00	88,060
1982	253,000	252,000	18.8	4,738,000	34.30	162,513
1983	262,000	259,000	18.0	4,662,000	35.40	165,035
1984	266,000	261,000	16.7	4,346,000	4/	4/

1/ Season average prices include an allowance for loans outstanding and purchases by the government valued at average loan and purchase rate but exclude deficiency payments, if any.
2/ Preliminary. 3/ Excludes Sugar Act payments. 4/ Not available at time of publication.

MINNESOTA CROP ACREAGE, YIELD, PRODUCTION, PRICE, AND VALUE (CONT'D)

Crop Year	Acreage Planted	Acreage Harvested	Yield Per Harvested Acre	Production	Season Average Price	Farm Value Of Production
			ALL SUNFLOWERS			
	1,000 Acres	1,000 Acres	Pounds	1,000 Lbs.	Dols. Per Cwt.	1,000 Dols.
1980	920	890	1,184	1,053,600	11.10	117,036
1981	735	713	1,155	823,550	11.00	90,423
1982	540	508	1,329	675,240	9.38	63,337
1983	250	239	1,106	264,250	14.00	36,956
1984	264	251	1,247	313,100	11.30 1/	35,380
			OIL SUNFLOWERS			
	1,000 Acres	1,000 Acres	Pounds	1,000 Lbs.	Dols. Per Cwt.	1,000 Dols.
1980	860	835	1,190	993,650	11.00	109,302
1981	650	631	1,170	738,270	10.70	78,995
1982	505	475	1,350	641,250	9.31	59,700
1983	240	230	1,100	253,000	13.90	35,167
1984	250	238	1,250	297,500	11.10 1/	33,023
			NON-OIL SUNFLOWERS			
	1,000 Acres	1,000 Acres	Pounds	1,000 Lbs.	Dols. Per Cwt.	1,000 Dols.
1980	60	55	1,090	59,950	12.90	7,734
1981	85	82	1,040	85,280	13.40	11,428
1982	35	33	1,030	33,990	10.70	3,637
1983	10	9	1,250	11,250	15.90	1,789
1984	14	13	1,200	15,600	15.50 1/	2,418
			ALL HAY			
		1,000 Acres	Tons	1,000 Tons	Dols. Per Ton	1,000 Dols.
1980	-----	2,950	2.41	7,115	56.00	398,440
1981	-----	2,860	2.87	8,206	68.00	558,008
1982	-----	2,870	2.88	8,264	67.50	557,820
1983	-----	2,830	2.94	8,316	61.00	507,276
1984	-----	2,800	3.01	8,440	54.50 1/	459,980
			ALFALFA HAY			
		1,000 Acres	Tons	1,000 Tons	Dols. Per Ton	1,000 Dols.
1980	-----	2,100	2.70	5,670	-----	-------
1981	-----	2,000	3.20	6,400	-----	-------
1982	-----	1,950	3.20	6,240	-----	-------
1983	-----	1,900	3.30	6,270	-----	-------
1984	-----	1,900	3.40	6,460	-----	-------
			ALL OTHER HAY			
		1,000 Acres	Tons	1,000 Tons	Dols. Per Ton	1,000 Dols.
1980	-----	850	1.70	1,445	-----	-------
1981	-----	860	2.10	1,806	-----	-------
1982	-----	920	2.20	2,024	-----	-------
1983	-----	930	2.20	2,046	-----	-------
1984	-----	900	2.20	1,980	-----	-------

1/ Preliminary.

MINNESOTA CROP ACREAGE, YIELD, PRODUCTION, PRICE, AND VALUE (CONT'D)

Crop Year	Acreage Planted	Acreage Harvested	Yield Per Harvested Acre	Production	Season Average Price	Farm Value of Production
			ALL POTATOES			
	Acres	Acres	Cwt.	1,000 Cwt.	Dols. Per Cwt.	1,000 Dols.
1980	70,500	69,400	166	11,486	8.00	91,731
1981	79,200	76,100	196	14,947	4.90	72,868
1982	77,700	70,600	190	13,401	3.95	52,617
1983	75,700	67,600	172	11,639	5.55	64,369
1984	83,300	78,500	197	15,455	5.10 1/	78,519
			FALL POTATOES			
	Acres	Acres	Cwt.	1,000 Cwt.	Dols. Per Cwt.	1,000 Dols.
1980	65,000	64,000	155	9,920	7.70	76,384
1981	73,000	70,000	190	13,300	4.55	60,515
1982	71,000	64,000	180	11,520	3.80	43,776
1983	70,500	62,500	165	10,313	5.20	53,628
1984	77,100	72,500	190	13,775	NA	NA
			SUMMER POTATOES			
	Acres	Acres	Cwt.	1,000 Cwt.	Dols. Per Cwt.	1,000 Dols.
1980	5,500	5,400	290	1,566	9.80	15,347
1981	6,200	6,100	270	1,647	7.50	12,353
1982	6,700	6,600	285	1,881	4.70	8,841
1983	5,200	5,100	260	1,326	8.10	10,741
1984	6,200	6,000	280	1,680	NA	NA
			DRY EDIBLE BEANS			
	Acres	Acres	Pounds	1,000 Cwt.	Dols. Per Cwt.	1,000 Dols.
1980	90,000	84,000	1,150	966	22.50	21,735
1981	110,000	103,000	1,240	1,277	21.90	27,966
1982	95,000	73,000	1,300	949	12.40	11,768
1983	42,000	39,000	1,160	452	22.80	10,306
1984	52,000	50,000	1,400	700	19.20 1/	13,440

1/ Preliminary. NA = Not Available.

MINNESOTA CROP ACREAGE, YIELD, PRODUCTION, PRICE, AND VALUE (CONT'D)

Crop Year	Acreage Planted	Acreage Harvested	Yield Per Harvested Acre	Production	Season Average Price	Farm Value Of Production
			SWEET CORN FOR PROCESSING			
	Acres	Acres	Tons 1/	Tons 1/	Dols. Per Ton	1,000 Dols.
1980	103,800	101,200	5.42	548,500	50.00	27,425
1981	112,800	105,200	5.45	573,340	57.30	32,852
1982	121,500	119,300	5.73	683,590	56.30	38,486
1983	111,200	108,400	4.60	498,640	52.90	26,378
1984	120,100	115,000	5.82	669,300	61.40	41,095
			GREEN PEAS FOR PROCESSING			
	Acres	Acres	Tons 2/	Tons 2/	Dols. Per Ton	1,000 Dols.
1980	70,800	66,300	1.18	78,230	244.00	19,088
1981	66,600	56,800	1.54	87,470	230.00	20,118
1982	65,100	60,800	1.60	97,280	236.00	22,958
1983	72,800	64,200	1.25	80,250	229.00	18,377
1984	78,300	74,200	1.38	102,400	243.00	24,883
			ONIONS			
	Acres	Acres	Cwt.	1,000 Cwt.3/	Dols. Per Cwt.	1,000 Dols.
1980	900	760	265	201	12.50	2,150
1981	850	750	265	199	9.64	1,581
1982	1,000	800	210	168	4.89	689
1983	850	790	200	158	13.10	1,703
1984	900	650	240	156	7.72 4/	996
			CARROTS FOR FRESH MARKET & PROCESSING			
	Acres	Acres	Cwt.	1,000 Cwt.	Dols. Per Cwt.	1,000 Dols.
1980	1,700	1,300	280	494	7.38	3,644
1981	1,500	1,300	320	416	7.73	3,216
1982	1,800	1,500	370	555	7.23	4,013
1983	1,500	1,300	340	442	7.02	3,105
1984	1,600	1,300	330	429	5.75 4/	2,467
			COMMERCIAL APPLES			
Crop Year	Acreage Planted	Acreage Harvested	Utilized Production		Season Average Price	Farm Value Of Utilized Production
			Mil.Lbs.		Cents Per Lb.	1,000 Dols.
1980	---	---	23.0		17.1	3,934
1981	---	---	21.0		19.3	4,057
1982	---	---	24.0		19.0	4,559
1983	---	---	21.0		20.3	4,256
1984	---	---	15.0		22.9 4/	3,433

1/ In husk. 2/ Shelled. 3/ Includes some quantities not marketed and excluded in computing value.
4/ Preliminary.

MINNESOTA CROP MARKETINGS: PERCENT BY MONTHS

CORN MARKETINGS

Crop Marketing Year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1980-1981	15	10	6	13	5	6	9	6	8	9	7	6
1981-1982	10	16	5	7	6	7	7	7	11	8	8	8
1982-1983	4	14	9	7	8	6	6	7	12	9	9	9
1983-1984	9	12	8	10	5	10	11	8	8	8	7	4

SOYBEAN MARKETINGS

Crop Marketing Year	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.
1980-1981	12	24	6	4	9	5	5	9	7	5	7	7
1981-1982	7	13	8	5	5	5	6	13	12	8	9	9
1982-1983	5	9	9	6	7	6	5	7	7	9	16	14
1983-1984	11	19	11	7	9	4	7	7	15	4	3	3

ALL WHEAT MARKETINGS

Crop Marketing Year	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June
1980-1981	11	25	10	7	8	6	6	5	4	5	7	6
1981-1982	8	25	10	8	12	3	4	4	4	10	6	6
1982-1983	9	20	8	5	7	5	4	7	11	9	8	7
1983-1984	8	20	11	10	7	7	8	5	7	6	7	4

OATS MARKETINGS

1980-1981	21	17	7	5	5	6	9	8	8	4	4	6
1981-1982	15	19	8	6	4	5	4	9	7	10	4	9
1982-1983	10	33	9	3	3	6	6	4	5	7	7	7
1983-1984	11	22	12	8	4	5	7	4	5	7	6	9

BARLEY MARKETINGS

1980-1981	16	9	10	11	11	8	3	11	5	6	6	4
1981-1982	12	21	6	3	7	2	3	11	8	9	6	12
1982-1983	14	16	4	5	7	7	4	11	8	6	9	9
1983-1984	7	16	15	13	10	8	8	4	4	5	4	6

FLAX MARKETINGS

1980-1981	9	15	16	22	6	6	7	2	2	3	6	6
1981-1982	0	46	16	9	10	4	2	2	4	5	1	1
1982-1983	3	41	17	17	13	2	1	1	1	2	1	1
1983-1984	2	42	16	12	11	2	2	2	4	5	1	1

ALL HAY MARKETINGS

Crop Marketing Year	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May
1980-1981	10	8	6	4	3	5	4	13	10	13	14	10
1981-1982	11	9	7	10	10	7	9	7	8	12	7	3
1982-1983	10	8	11	7	5	6	6	9	13	12	8	5
1983-1984	5	9	4	6	4	8	9	14	10	9	14	8

MINNESOTA GRAIN AND HAY STOCKS

Year	On Farms				All Storage Positions			
	Jan. 1	April 1	June 1	Oct. 1	Jan. 1	April 1	June 1	Oct. 1
	1,000 Bushels				1,000 Bushels			
CORN STOCKS								
1981	494,205	341,673	262,356	91,520	614,660	450,371	340,932	151,327
1982	610,654	469,161	394,691	238,304	745,030	590,789	482,651	332,133
1983	763,880	616,980	484,770	257,075	934,247	759,975	622,235	415,712
1984	440,496	304,676	190,882	66,074	569,529	415,053	262,113	94,003
1985	523,701	365,212			613,861	441,552		
ALL WHEAT STOCKS								
1981	68,713	53,329	37,946	121,822	110,338	90,992	64,221	172,417
1982	100,818	78,414	68,612	136,954	143,313	118,288	99,912	187,931
1983	112,860	92,571	71,013	110,544	154,142	132,240	104,418	157,508
1984	75,802	63,168	45,797	113,468	116,304	94,746	75,057	183,569
1985	95,362	73,634			143,149	114,817		
SOYBEAN STOCKS								
1981	79,468	65,974	52,479	23,990 1/	125,768	97,317	72,368	37,229 1/
1982	97,440	73,776	52,896	19,488 1/	122,797	112,288	77,180	32,603 1/
1983	116,645	91,287	67,620	16,905 1/	164,930	136,984	104,971	44,335 1/
1984	81,972	53,130	28,842	12,144 1/	134,293	96,501	56,916	22,786 1/
1985	103,752	74,356			154,413	112,071		
OATS STOCKS								
1981	61,988	40,499	29,754	70,270	76,993	52,706	36,049	79,598
1982	58,559	33,333	20,721	82,253	65,310	39,660	24,811	96,187
1983	62,669	44,064	31,334	76,950	75,542	52,975	37,642	93,893
1984	61,560	39,245	24,624	63,180	75,831	47,090	29,128	76,489
1985	52,260	31,200			62,092	37,091		
BARLEY STOCKS								
1981	24,939	18,358	12,816	49,605	49,869	43,120	33,094	73,970
1982	40,953	28,263	19,611	52,061	58,683	48,183	32,338	75,292
1983	46,957	38,280	33,686	54,325	67,071	57,361	50,809	80,465
1984	38,679	30,422	24,772	59,280	57,557	48,780	40,392	83,535
1985	51,253	41,373			73,904	62,882		
RYE STOCKS								
1981	779	228	171	750	2,294	1,628	1,041	2,222
1982	605	202	115	1,320	1,618	845	516	3,444
1983	1,122	693	528	2/	2,587	1,682	1,293	2/
1984			1,736				4,300	
FLAX STOCKS								
1981	531	422	156	455	3,031	2,140	1,319	1,090
1982	299	182	156	792	1,574	1,246	596	1,222
1983	545	462	215	2/	930	807	316	2/
1984			113				468	

HAY STOCKS

	Jan. 1	May 1	
	1,000 Tons		
1981	4,696	1,210	OFF-FARM HAY STOCKS NOT ESTIMATED
1982	5,662	1,395	
1983	5,206	1,405	
1984	4,906	1,497	
1985	5,908	1,435	

1/ September 1 stocks. 2/ Starting June 83, estimated annually.

CORN: ACREAGE PLANTED FOR ALL PURPOSES, HARVESTED FOR GRAIN, YIELD, AND PRODUCTION, BY DISTRICTS AND COUNTIES, MINNESOTA

DISTRICT AND COUNTY	ACREAGE PLANTED 1983	ACREAGE PLANTED 1984	ACREAGE HARVESTED 1983	ACREAGE HARVESTED 1984	YIELD PER HARVESTED ACRE 1983	YIELD PER HARVESTED ACRE 1984	PRODUCTION 1983	PRODUCTION 1984
	- ACRES -		- ACRES -		- BUSHELS -		- BUSHELS -	
BECKER	17,900	28,200	11,000	9,200	58.0	58.0	638,000	533,600
CLAY	25,300	43,400	20,300	36,000	77.0	71.0	1,563,100	2,556,000
CLEARWATER	5,800	7,600	2,200	4,600	68.0	68.0	149,600	312,800
KITTSON	2,600	3,200	1,400	2,600	47.0	63.0	65,800	163,800
MAHNOMEN	7,200	12,000	4,000	9,000	64.0	69.0	256,000	621,000
MARSHALL	13,900	15,900	10,500	14,600	60.0	52.0	630,000	759,200
NORMAN	16,800	23,200	9,700	14,000	71.0	62.0	688,700	868,000
PENNINGTON	6,200	7,600	4,800	6,500	57.0	54.0	273,600	351,000
POLK	34,600	43,300	26,200	36,400	65.0	67.0	1,703,000	2,438,800
RED LAKE	13,500	18,900	8,100	15,300	53.0	57.0	429,300	872,100
ROSEAU	5,200	6,900	3,100	3,000	50.0	61.0	155,000	183,000
NW DIST.	149,000	210,200	101,300	151,200	64.7	63.9	6,552,100	9,659,300
BELTRAMI	5,100	8,000	2,100	3,600	74.0	47.0	155,400	169,200
CASS	4,100	6,800	1,800	2,700	61.0	64.0	109,800	172,800
HUBBARD	6,500	9,500	3,600	7,000	91.0	88.0	327,600	616,000
ITASCA	600	700	200	300	81.0	80.0	16,200	24,000
KOOCHICHING	1,400	2,000	100	500	74.0	70.0	7,400	35,000
LAKE OF THE WOODS	700	1,000	400	1,000	32.0	60.0	12,800	60,000
NC DIST.	18,400	28,000	8,200	15,100	76.7	71.3	629,200	1,077,000
ST LOUIS	800	900	100	300	60.0	40.0	6,000	12,000
NE DIST.	800	900	100	300	60.0	40.0	6,000	12,000
BIG STONE	32,200	50,100	29,300	47,200	75.0	87.0	2,197,500	4,106,400
CHIPPEWA	63,100	100,200	58,400	94,200	72.0	97.0	4,204,800	9,137,400
DOUGLAS	48,000	60,500	33,300	42,700	65.0	77.0	2,164,500	3,287,900
GRANT	26,100	36,200	21,700	32,300	79.0	87.0	1,714,300	2,810,100
LAC QUI PARLE	72,100	104,400	63,900	97,200	65.0	85.0	4,153,500	8,262,000
OTTER TAIL	134,500	174,100	90,800	113,800	70.0	64.0	6,356,000	7,283,200
POPE	63,100	86,300	52,000	77,200	80.0	88.0	4,160,000	6,793,600
STEVENS	66,900	85,300	58,400	78,900	85.0	105.0	4,964,000	8,284,500
SWIFT	91,700	135,300	85,700	131,800	76.0	98.0	6,513,200	12,916,400
TRAVERSE	22,600	33,000	19,900	30,800	64.0	95.0	1,273,600	2,926,000
WILKIN	24,900	39,400	22,200	37,200	67.0	69.0	1,487,400	2,566,800
YELLOW MEDICINE	110,100	160,900	102,300	145,700	71.0	93.0	7,263,300	13,550,100
WC DIST.	755,300	1,065,700	637,900	929,000	72.8	88.2	46,452,100	81,924,400
BENTON	48,800	69,800	36,600	49,200	77.0	90.0	2,817,600	4,428,000
CARVER	56,900	73,600	42,200	57,700	90.0	116.0	3,798,000	6,693,200
KANDIYOHI	105,200	145,800	93,200	135,200	77.0	97.0	7,176,400	13,114,400
MCLEOD	80,200	110,600	70,400	100,200	96.0	112.0	6,758,400	11,222,400
MEEKER	84,300	116,400	74,200	102,500	77.0	103.0	5,713,400	10,557,500
MORRISON	80,300	109,300	53,800	75,100	80.0	76.0	4,304,000	5,707,600
RENVILLE	129,200	203,200	123,700	198,700	90.0	114.0	11,133,000	22,651,800
SCOTT	37,700	49,600	29,800	41,200	85.0	117.0	2,533,000	4,820,400
SHERBURNE	31,600	51,100	25,300	45,900	77.0	96.0	1,948,100	4,406,400
SIBLEY	82,200	117,900	72,800	111,500	96.0	124.0	6,988,800	13,826,000
STEARNS	164,100	226,500	111,300	152,200	74.0	97.0	8,236,200	14,763,400
TODD	92,500	128,800	64,500	92,500	81.0	83.0	5,224,500	7,677,500
WADENA	24,100	37,200	14,000	21,000	51.0	56.0	714,000	1,176,000
WRIGHT	75,400	111,700	63,700	96,000	77.0	97.0	4,904,900	9,312,000
CENT. DIST.	1,092,500	1,551,500	875,500	1,278,900	82.5	101.9	72,250,300	130,356,600

CORN: ACREAGE PLANTED FOR ALL PURPOSES, HARVESTED FOR GRAIN, YIELD, AND PRODUCTION, BY DISTRICTS AND COUNTIES, MINNESOTA (CONT'D)

DISTRICT AND COUNTY	ACREAGE PLANTED		ACREAGE HARVESTED		YIELD PER HARVESTED ACRE		PRODUCTION	
	1983	1984	1983	1984	1983	1984	1983	1984
	- ACRES -		- ACRES -		- BUSHELS -		- BUSHELS -	
AITKIN	4,500	5,200	2,700	3,100	73.0	53.0	197,100	164,300
ANOKA	22,500	28,900	19,600	26,200	82.0	86.0	1,607,200	2,253,200
CARLTON	1,500	2,000	300	600	94.0	70.0	28,200	42,000
CHISAGO	34,500	48,700	29,400	43,600	85.0	90.0	2,499,000	3,924,000
CROW WING	14,000	22,400	9,800	12,600	62.0	50.0	607,600	630,000
HENNEPIN	27,100	35,800	22,000	31,600	81.0	96.0	1,782,000	3,033,600
ISANTI	38,200	56,700	32,900	52,400	83.0	89.0	2,730,700	4,663,600
KANABEC	29,300	33,800	19,900	23,800	84.0	76.0	1,671,600	1,808,800
MILLE LACS	31,000	35,000	21,200	23,900	77.0	83.0	1,632,400	1,983,700
PINE	26,800	33,300	14,800	18,900	83.0	75.0	1,228,400	1,417,500
RAMSEY	600	1,000	500	1,000	97.0	105.0	48,500	105,000
WASHINGTON	34,300	45,200	30,700	43,600	88.0	108.0	2,701,600	4,708,800
EC DIST.	264,300	348,000	203,800	281,300	82.1	87.9	16,734,300	24,734,500
COTTONWOOD	114,900	169,500	101,400	159,300	81.0	119.0	8,213,400	18,956,700
JACKSON	132,700	210,600	124,600	197,300	88.0	113.0	10,964,800	22,294,900
LINCOLN	75,100	98,300	65,100	84,300	63.0	78.0	4,101,300	6,575,400
LYON	115,000	169,500	100,500	155,400	69.0	95.0	6,934,500	14,763,000
MURRAY	119,100	158,100	101,400	145,600	80.0	92.0	8,112,000	13,395,200
NOBLES	122,800	175,200	109,400	164,000	80.0	99.0	8,752,000	16,236,000
PIPESTONE	80,700	109,700	68,200	96,400	68.0	84.0	4,637,600	8,097,600
REDWOOD	146,800	206,500	136,300	194,900	82.0	112.0	11,176,600	21,828,800
ROCK	94,700	126,800	85,000	119,500	73.0	105.0	6,205,000	12,547,500
SW DIST.	1,001,800	1,424,200	891,900	1,316,700	77.5	102.3	69,097,200	134,695,100
BLUE EARTH	119,700	178,200	111,400	171,900	88.0	129.0	9,803,200	22,175,100
BROWN	95,600	134,200	84,500	127,100	85.0	122.0	7,182,500	15,506,200
FARIBAULT	124,200	185,100	116,300	181,800	88.0	130.0	10,234,400	23,634,000
FREEBORN	137,500	201,300	131,200	196,000	92.0	122.0	12,070,400	23,912,000
LESUEUR	57,800	86,000	49,500	81,000	91.0	124.0	4,504,500	10,044,000
MARTIN	136,700	187,700	130,300	182,200	89.0	127.0	11,596,700	23,139,400
NICOLLET	65,100	91,900	58,900	86,100	93.0	137.0	5,477,700	11,795,700
RICE	74,200	111,800	64,600	100,500	92.0	120.0	5,943,200	12,060,000
STEELE	86,200	125,400	79,000	119,300	89.0	115.0	7,031,000	13,719,500
WASECA	89,300	132,600	84,300	128,900	89.0	127.0	7,501,200	16,370,300
WATONWAN	81,600	113,300	77,600	110,800	91.0	135.0	7,061,600	14,958,000
SC DIST.	1,067,900	1,547,500	987,600	1,485,600	89.5	126.1	88,406,400	187,314,200
DAKOTA	71,400	101,100	63,700	92,200	96.0	124.0	6,115,200	11,432,800
DODGE	74,300	105,400	70,300	97,100	103.0	117.0	7,240,900	11,360,700
FILLMORE	130,500	189,200	116,400	178,600	103.0	116.0	11,987,200	20,717,600
GOODHUE	88,400	126,400	73,700	112,100	104.0	123.0	7,664,800	13,788,300
HOUSTON	44,700	64,800	35,300	54,700	117.0	128.0	4,130,100	7,001,600
MOWER	130,700	188,000	124,400	179,500	95.0	117.0	11,818,000	21,001,500
OLMSTED	97,200	135,800	87,300	123,500	93.0	120.0	8,118,900	14,820,000
WABASHA	53,700	78,600	44,100	69,200	103.0	132.0	4,542,300	9,134,400
WINONA	59,100	84,700	48,500	75,000	110.0	134.0	5,335,000	10,050,000
SE DIST.	750,000	1,074,000	663,700	981,900	100.9	121.5	66,952,400	119,306,900
***MINNESOTA	5,100,000	7,250,000	4,370,000	6,440,000	84.0	107.0	367,080,000	689,080,000

CORN FOR SILAGE: ACREAGE, YIELD, AND PRODUCTION, BY DISTRICTS & COUNTIES, MINNESOTA

DISTRICT AND COUNTY	ACREAGE HARVESTED		YIELD PER HARVESTED ACRE		PRODUCTION	
	1983	1984	1983	1984	1983	1984
	- ACRES -		- TONS -		- TONS -	
BECKER	6,800	18,300	11.4	7.8	77,520	143,000
CLAY	4,500	7,200	10.6	8.5	47,700	61,500
CLEARWATER	3,600	2,500	8.5	5.8	30,600	14,500
MAHNOMEN	3,200	2,900	9.7	10.3	31,040	30,000
MARSHALL	3,000	1,000	8.3	12.1	24,900	12,100
NORMAN	6,900	9,000	10.4	9.5	71,760	85,400
POLK	7,000	6,000	9.2	8.5	64,400	50,700
RED LAKE	3,700	3,400	7.5	6.9	27,750	23,300
ROSEAU	2,100	3,700	10.5	9.2	22,050	34,100
OTHER COUNTIES	1,900	900	10.7	8.7	20,410	7,800
NW DIST.	42,700	54,900	9.8	8.4	418,130	462,400
BELTRAMI	2,900	2,200	10.2	8.7	29,580	19,100
CASS	2,100	3,800	11.1	6.2	23,310	23,400
HUBBARD	2,800	2,400	8.0	5.3	22,400	12,700
OTHER COUNTIES	2,000	1,800	9.1	8.8	18,250	15,800
NC DIST.	9,800	10,200	9.5	7.0	93,540	71,000
ST LOUIS	700	600	10.5	12.0	7,350	7,200
NE DIST.	700	600	10.5	12.0	7,350	7,200
BIG STONE	2,900	2,700	11.0	10.0	31,900	27,000
CHIPPEWA	4,200	3,800	8.9	8.0	37,380	30,400
DOUGLAS	14,000	16,900	11.5	10.1	161,000	170,300
GRANT	3,900	3,600	10.3	13.1	40,170	47,300
LAC QUI PARLE	6,000	4,500	9.8	11.4	58,800	51,200
OTTER TAIL	42,300	53,000	9.8	8.0	414,540	424,800
POPE	10,700	8,000	11.8	11.9	126,260	95,400
STEVENS	8,500	5,700	9.7	15.3	82,450	87,000
SWIFT	5,600	2,600	12.1	15.3	67,760	39,800
TRAVERSE	2,700	2,100	8.5	19.1	22,950	40,100
WILKIN	2,500	2,000	8.7	11.6	21,750	23,100
YELLOW MEDICINE	5,200	6,400	11.2	11.8	58,240	75,500
WC DIST.	108,500	111,300	10.4	10.0	1,123,200	1,111,900
BENTON	10,700	19,100	10.2	10.2	109,140	195,700
CARVER	13,100	15,600	13.3	15.2	174,230	237,200
KANDIYOHI	10,500	7,400	11.6	15.9	121,800	117,500
MCLEOD	8,500	7,500	14.5	16.7	123,250	125,000
MEEKER	6,400	11,200	12.2	12.1	78,080	135,600
MORRISON	24,800	32,100	11.2	9.5	277,760	306,100
RENVILLE	5,200	3,000	14.8	16.0	76,960	48,000
SCOTT	7,100	7,500	12.1	16.5	85,910	123,600
SHERBURNE	5,300	5,000	12.0	13.9	63,600	69,400
SIBLEY	7,300	5,700	11.7	15.8	85,410	89,800
STEARNS	49,400	70,300	9.8	12.4	484,120	873,200
TODD	26,700	34,300	10.3	9.4	275,010	324,000
WADENA	9,300	14,100	8.9	5.7	82,770	80,200
WRIGHT	11,000	13,700	12.4	12.0	136,400	165,000
CENT. DIST.	195,300	246,500	11.1	11.7	2,174,440	2,890,300

CORN FOR SILAGE: ACREAGE, YIELD, AND PRODUCTION, BY DISTRICTS & COUNTIES, MINNESOTA (CONT'D)

DISTRICT AND COUNTY	ACREAGE HARVESTED		YIELD PER HARVESTED ACRE		PRODUCTION	
	1983	1984	1983	1984	1983	1984
	- ACRES -		- TONS -		- TONS -	
AITKIN	1,700	1,900	9.5	11.7	16,150	22,200
ANOKA	2,800	2,300	7.5	9.5	21,000	21,800
CARLTON	900	1,000	11.6	13.9	10,440	13,900
CHISAGO	4,800	4,700	11.5	10.5	55,200	49,500
CROW WING	4,100	5,100	9.7	6.8	39,770	34,800
HENNEPIN	4,800	3,900	11.6	12.4	55,680	48,400
ISANTI	4,700	3,500	10.3	9.5	48,410	33,200
KANABEC	7,600	9,100	12.4	8.9	94,240	81,300
MILLE LACS	7,600	9,800	11.0	10.6	83,600	103,800
PINE	9,500	12,700	11.3	8.8	107,350	112,300
WASHINGTON	3,500	1,300	11.5	16.5	40,260	21,500
EC DIST.	52,100	55,300	11.0	9.8	573,100	542,700
COTTONWOOD	11,700	8,500	12.8	15.7	149,760	133,500
JACKSON	7,000	5,700	12.0	14.9	84,000	85,100
LINCOLN	9,100	11,400	10.4	8.9	94,640	101,500
LYON	14,100	10,800	11.4	9.8	160,740	106,000
MURRAY	16,200	9,800	11.6	17.3	187,920	169,800
NOBLES	12,500	9,800	11.8	14.5	147,500	142,300
PIPESTONE	12,500	12,500	11.1	8.4	138,750	105,100
REDWOOD	9,800	8,800	13.2	12.6	129,360	111,000
ROCK	8,900	7,000	11.2	18.2	99,680	127,700
SW DIST.	101,800	84,300	11.7	12.8	1,192,350	1,082,000
BLUE EARTH	7,100	5,400	11.6	11.7	82,360	63,200
BROWN	10,100	5,900	12.1	19.1	122,210	112,700
FARIBAULT	3,800	1,800	15.1	13.1	57,380	23,600
FREEBORN	5,400	4,600	13.4	13.9	72,360	63,800
LESUEUR	6,400	4,400	12.5	16.4	80,000	72,000
MARTIN	6,000	5,100	12.5	12.2	75,000	62,400
NICOLLET	4,200	4,600	12.7	17.6	53,340	81,000
RICE	8,000	10,600	12.2	15.7	97,600	166,200
STEELE	6,700	5,800	12.7	15.6	85,090	90,300
WASECA	4,100	3,000	11.8	16.0	48,380	47,900
WATONWAN	3,800	2,200	11.9	14.7	45,220	32,400
SC DIST.	65,600	53,400	12.5	15.3	818,940	815,500
DAKOTA	5,700	8,400	14.8	17.5	84,360	147,200
DODGE	3,200	7,100	12.0	19.5	38,400	138,600
FILLMORE	10,600	9,400	14.6	17.1	154,760	160,400
GOODHUE	12,600	13,600	15.3	18.0	192,780	245,000
HOUSTON	8,700	9,800	16.1	15.5	140,070	151,900
MOWER	5,000	6,300	14.3	14.9	71,500	93,800
OLMSTED	8,800	10,700	11.6	15.0	102,080	160,900
WABASHA	8,600	8,700	13.6	17.8	116,960	154,900
WINONA	10,300	9,500	16.8	17.3	173,040	164,300
SE DIST.	73,500	83,500	14.6	17.0	1,073,950	1,417,000
***MINNESOTA	650,000	700,000	11.5	12.0	7,475,000	8,400,000

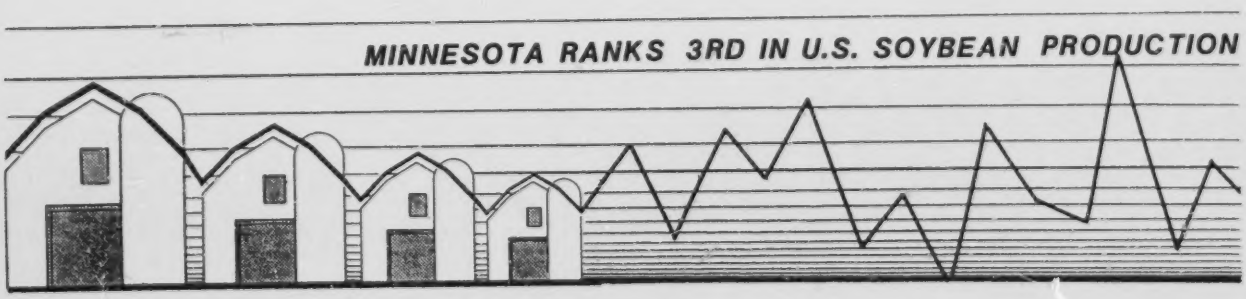
SOYBEANS: ACREAGE, YIELD, AND PRODUCTION, BY DISTRICTS & COUNTIES, MINNESOTA

DISTRICT AND COUNTY	ACREAGE PLANTED		ACREAGE HARVESTED		YIELD PER HARVESTED ACRE		PRODUCTION	
	1983 1/	1984	1983 1/	1984	1983 1/	1984	1983 1/	1984
	- ACRES -		- ACRES -		- BUSHELS -		- BUSHELS -	
BECKER	21,500	40,700	21,000	40,500	35.0	25.0	735,000	1,012,500
CLAY	74,500	102,800	73,700	102,600	34.0	23.0	2,505,800	2,359,800
CLEARWATER	500	600	400	500	26.0	25.0	10,400	12,500
KITTSON	6,000	3,900	5,800	3,800	19.0	22.0	110,200	83,600
MAHNOMEN	4,000	11,000	3,900	10,900	25.0	25.0	97,500	272,500
MARSHALL	36,800	44,900	36,600	44,600	26.0	24.0	951,600	1,070,400
NORMAN	26,200	49,500	26,100	49,400	31.0	24.0	809,100	1,185,600
PENNINGTON	2,300	8,700	2,200	8,600	15.0	19.0	33,000	163,400
POLK	30,000	50,400	29,800	50,100	27.0	25.0	804,600	1,252,500
RED LAKE	3,900	9,100	3,700	8,900	23.0	23.0	85,100	204,700
ROSEAU	600	1,600	600	1,600	29.0	24.0	17,400	38,400
NW DIST.	206,300	323,200	203,800	321,500	30.2	23.8	6,159,700	7,655,900
NC DIST.	900	1,000	700	900	22.3	21.0	15,600	18,900
BIG STONE	52,000	68,400	51,800	67,800	32.0	30.0	1,657,600	2,034,000
CHIPPEWA	88,000	115,100	86,500	113,000	30.5	31.0	2,642,300	3,503,000
DOUGLAS	26,800	34,200	26,700	33,400	32.0	29.0	854,400	968,600
GRANT	71,200	93,400	71,000	92,000	33.0	29.0	2,343,000	2,668,000
LAC QUI PARLE	113,200	131,000	111,700	128,400	29.0	28.0	3,239,300	3,595,200
OTTER TAIL	54,800	67,200	53,700	66,100	30.0	24.0	1,611,000	1,586,400
POPE	37,800	46,700	37,700	46,300	34.0	28.0	1,281,800	1,296,400
STEVENS	68,800	88,900	68,300	88,400	33.0	34.0	2,253,900	3,005,600
SWIFT	98,000	121,900	97,800	120,400	34.0	33.0	3,325,200	3,973,200
TRAVERSE	73,600	99,100	73,100	98,400	30.0	31.0	2,193,000	3,050,400
WILKIN	61,500	102,800	60,900	101,300	30.0	25.0	1,827,000	2,532,500
YELLOW MEDICINE	145,200	169,800	144,900	164,500	32.0	32.0	4,636,800	5,264,000
WC. DIST.	890,900	1,138,500	884,100	1,120,000	31.5	29.9	27,865,300	33,477,300
BENTON	5,100	5,800	5,000	5,700	26.0	22.0	130,000	125,400
CARVER	21,100	25,500	20,500	25,300	38.0	38.0	779,000	961,400
KANDIYOHI	100,000	106,000	98,700	103,500	34.0	31.0	3,356,300	3,208,500
MCLEOD	76,900	83,800	76,500	80,800	37.0	37.0	2,830,500	2,989,600
MEEKER	68,900	79,700	67,800	75,300	31.0	30.0	2,101,800	2,259,000
MORRISON	5,000	6,000	4,900	5,900	29.0	25.0	142,100	147,500
RENVILLE	210,000	258,800	209,200	255,500	38.0	38.0	7,950,100	9,709,000
SCOTT	29,000	29,600	28,700	28,400	32.0	33.0	918,400	937,200
SHERBURNE	11,800	14,800	11,600	14,700	23.0	30.0	266,800	441,000
SIBLEY	112,200	116,700	107,400	115,400	32.0	38.0	3,436,800	4,385,200
STEARNS	34,600	40,300	32,300	40,000	33.0	28.0	1,065,900	1,120,000
TODD	8,700	8,300	8,100	7,900	25.0	29.0	202,500	229,100
WADENA	2,000	2,100	2,000	2,100	16.0	23.0	32,000	48,300
WRIGHT	41,100	44,400	40,600	43,600	29.0	31.0	1,177,400	1,351,600
CENT. DIST.	726,400	821,800	713,300	804,100	34.2	34.7	24,389,600	27,912,800
ANOKA	4,900	8,300	4,300	8,100	26.0	25.0	111,800	202,500
CHISAGO	16,100	16,500	15,800	16,300	26.0	24.0	410,800	391,200
CROW WING	2,600	4,600	2,500	4,500	20.0	22.0	50,000	99,000
HENNEPIN	17,600	13,800	17,300	13,700	32.0	28.0	553,600	383,600
ISANTI	12,400	11,700	12,200	11,500	29.0	22.0	353,800	253,000
KANABEC	900	1,200	700	1,100	25.0	18.0	17,500	19,800
MILLE LACS	3,400	4,600	3,000	4,500	30.0	25.0	90,000	112,500
PINE	2,500	3,000	2,300	2,900	25.0	25.0	57,500	72,500
RAMSEY	500	1,500	400	1,400	26.0	31.0	10,400	43,400
WASHINGTON	18,800	22,600	18,600	22,400	33.0	34.0	613,800	761,600
OTHER COUNTIES	300	0	300	0	29.0	0	8,700	0
EC. DIST.	80,000	87,800	77,400	86,400	29.4	27.1	2,277,900	2,339,100

SOYBEANS: ACREAGE, YIELD, AND PRODUCTION, BY DISTRICTS & COUNTIES, MINNESOTA (CONT'D)

DISTRICT AND COUNTY	ACREAGE PLANTED		ACREAGE HARVESTED		YIELD PER HARVESTED ACRE		PRODUCTION	
	1983 1/	1984	1983 1/	1984	1983 1/	1984	1983 1/	1984
	- ACRES -		- ACRES -		- BUSHELS -		- BUSHELS -	
COTTONWOOD	149,200	149,400	147,900	149,000	32.0	37.0	4,732,800	5,513,000
JACKSON	174,300	186,500	173,800	184,300	33.0	34.0	5,735,400	6,266,200
LINCOLN	59,100	79,000	58,500	78,200	30.0	26.0	1,755,000	2,033,200
LYON	126,100	137,100	125,300	135,300	32.0	32.0	4,009,600	4,329,600
MURRAY	139,900	149,400	135,400	147,200	31.0	32.0	4,197,400	4,710,400
NOBLES	156,900	164,200	156,000	162,500	31.0	32.0	4,836,000	5,200,000
PIPESTONE	66,200	74,100	66,000	73,400	30.0	28.0	1,980,000	2,055,200
REDWOOD	199,600	205,000	199,400	203,200	35.0	37.0	6,979,000	7,518,400
ROCK	78,700	90,100	78,600	89,400	35.0	35.0	2,751,000	3,129,000
SW DIST.	1,150,000	1,234,800	1,140,900	1,222,500	32.4	33.3	36,976,200	40,755,000
BLUE EARTH	167,000	181,900	165,800	181,400	36.0	38.0	5,968,800	6,893,200
BROWN	119,500	116,300	118,300	114,400	36.0	37.0	4,258,800	4,232,800
FARIBAULT	160,000	169,500	159,300	168,600	34.0	36.0	5,416,200	6,069,600
FREEBORN	138,300	124,900	133,900	124,800	34.0	35.0	4,552,600	4,368,000
LESUEUR	63,300	76,700	62,200	76,300	31.0	38.0	1,928,200	2,899,400
MARTIN	178,000	183,100	176,800	182,800	35.0	38.0	6,188,000	6,946,400
NICOLLET	85,700	90,300	84,600	88,900	32.0	40.0	2,707,200	3,556,000
RICE	40,700	48,300	40,200	48,200	34.0	36.0	1,366,800	1,735,200
STEELE	78,000	76,700	77,300	76,600	34.0	34.0	2,628,200	2,604,400
WASECA	71,800	71,800	71,100	71,600	36.0	37.0	2,559,600	2,649,200
WATONWAN	100,100	97,700	99,400	97,400	36.0	40.0	3,578,400	3,896,000
SC DIST.	1,202,400	1,237,200	1,188,900	1,231,000	34.6	37.2	41,152,800	45,850,200
DAKOTA	50,000	63,800	49,800	63,500	33.0	36.0	1,643,400	2,286,000
DODGE	63,800	64,700	63,500	64,400	35.0	33.0	2,222,500	2,125,200
FILLMORE	37,200	46,500	37,100	46,200	32.0	31.0	1,187,200	1,432,200
GOODHUE	47,000	51,500	46,700	51,200	34.0	34.0	1,587,800	1,740,800
HOUSTON	3,100	3,600	3,000	3,500	38.0	31.0	114,000	108,500
MOWER	133,800	160,400	133,000	160,100	32.0	31.0	4,256,000	4,963,100
OLMSTED	35,700	44,200	35,500	44,000	33.0	33.0	1,171,500	1,452,000
WABASHA	14,100	12,800	14,000	12,600	35.0	38.0	490,000	479,000
WINONA	8,400	8,200	8,300	8,100	35.0	40.0	290,500	324,000
SE DIST.	393,100	455,700	390,900	453,600	33.2	32.9	12,962,900	14,910,800
***MINNESOTA	4,650,000	5,300,000	4,600,000	5,240,000	33.0	33.0	151,800,000	172,920,000

1/ Revised.

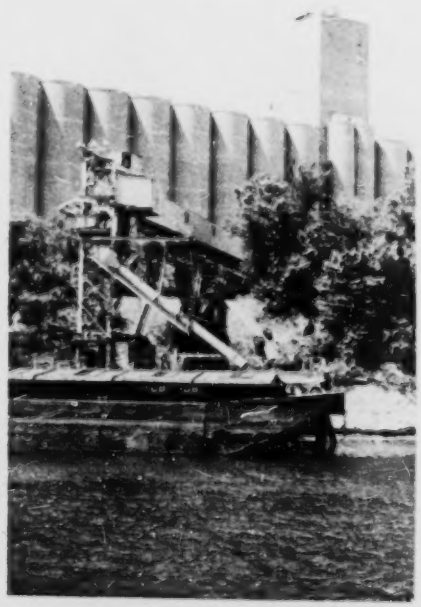


ALL WHEAT: ACREAGE, YIELD, AND PRODUCTION, BY DISTRICTS & COUNTIES, MINNESOTA

DISTRICT AND COUNTY	ACREAGE PLANTED		ACREAGE HARVESTED		YIELD PER HARVESTED ACRE		PRODUCTION	
	1983	1984	1983	1984	1983	1984	1983	1984
	- ACRES -		- ACRES -		- BUSHELS -		- BUSHELS -	
BECKER	46,800	67,000	43,700	63,500	39.4	51.3	1,720,100	3,255,200
CLAY	138,200	156,600	122,200	147,200	39.4	52.3	4,819,200	7,692,500
CLEARWATER	13,200	22,000	11,500	21,600	28.8	39.5	331,700	852,700
KITTSON	189,400	208,600	180,600	205,500	36.0	52.8	6,497,600	10,858,500
MAHNOMEN	29,800	42,100	27,700	40,500	41.1	53.7	1,137,500	2,174,200
MARSHALL	249,300	285,600	234,500	277,100	36.9	52.0	8,651,700	14,413,700
NORMAN	144,500	174,900	136,400	170,200	40.9	51.5	5,585,100	8,766,600
PENNINGTON	68,900	71,300	56,800	67,700	26.2	35.2	1,489,300	2,383,300
POLK	290,700	324,100	271,600	317,900	41.9	51.4	11,368,700	16,352,600
RED LAKE	44,600	54,800	39,600	53,600	27.1	41.2	1,074,800	2,207,600
ROSEAU	147,200	159,800	131,700	157,200	34.4	48.2	4,532,500	7,583,900
NE DIST.	1,362,600	1,567,800	1,256,300	1,522,000	37.6	50.3	47,208,200	76,540,800
BELTRAMI	8,100	8,100	5,100	7,000	23.1	30.0	117,600	210,000
CASS	200	600	200	600	25.5	30.0	5,100	18,000
HUBBARD	700	1,100	600	1,100	29.2	31.4	17,500	34,500
ITASCA	500	600	400	500	26.5	29.2	10,600	14,600
KOOCHICHING	2,900	2,600	2,600	2,500	28.5	33.6	74,200	83,900
LAKE OF THE WOODS	12,500	13,200	10,100	13,100	38.8	41.5	392,300	543,000
NC DIST.	24,900	26,200	19,000	24,800	32.5	36.5	617,300	904,000
ST LOUIS	700	500	600	500	29.0	30.0	17,400	15,000
NE DIST.	700	500	600	500	29.0	30.0	17,400	15,000
BIG STONE	52,200	57,900	49,300	57,400	33.1	42.4	1,629,900	2,434,900
CHIPPEWA	54,600	57,900	50,300	57,300	40.0	45.5	2,011,000	2,606,400
DOUGLAS	15,000	18,300	14,400	17,800	35.1	35.4	506,000	629,800
GRANT	71,400	82,300	65,600	80,100	37.1	42.2	2,430,800	3,383,100
LAC QUI PARLE	72,700	75,900	67,900	73,800	36.0	44.9	2,445,200	3,315,900
OTTER TAIL	58,900	82,900	58,000	81,500	36.9	41.4	2,137,300	3,374,000
POPE	23,700	26,100	21,400	26,000	37.0	44.7	791,500	1,162,400
STEVENS	51,500	53,800	46,900	53,400	38.0	44.9	1,780,600	2,395,900
SWIFT	50,100	51,700	49,400	51,600	37.9	44.8	1,871,600	2,313,400
TRAVERSE	85,300	93,600	83,200	91,100	33.0	42.2	2,749,300	3,840,100
WILKIN	108,700	123,000	103,700	121,000	37.0	45.5	3,838,900	5,499,900
YELLOW MEDICINE	35,900	42,600	31,100	40,100	35.1	44.1	1,090,100	1,768,800
WC DIST.	680,000	766,000	641,200	751,100	36.3	43.6	23,282,200	32,724,600
BENTON	800	1,400	600	1,200	32.2	26.3	19,300	31,600
CARVER	3,300	7,100	3,100	6,200	34.9	41.4	108,300	256,400
KANDIYOHI	19,200	21,400	17,900	20,700	36.0	43.3	643,800	896,300
MCLEOD	13,300	15,400	11,500	14,000	35.2	42.9	405,100	601,200
MEEKER	7,000	8,700	5,900	7,600	38.5	43.2	226,900	328,400
MORRISON	1,500	3,100	1,100	2,800	33.3	35.5	36,600	99,400
RENVILLE	42,300	26,000	39,100	23,800	39.0	45.5	1,526,400	1,082,800
SCOTT	4,100	7,300	2,300	7,100	33.7	42.2	77,500	299,600
SHERBURNE	2,900	4,800	2,000	4,600	30.0	32.5	60,000	149,400
SIBLEY	11,500	16,600	10,100	15,300	36.9	47.9	372,800	733,000
STEARNS	6,000	11,300	4,500	10,600	34.5	37.6	155,400	398,600
TODD	2,200	4,400	1,600	4,000	33.5	34.5	53,600	138,000
WADENA	1,100	2,700	700	2,400	32.0	33.6	22,400	80,700
WRIGHT	4,100	5,200	2,900	4,700	34.1	39.5	98,800	185,600
CENT. DIST.	119,300	135,400	103,300	125,000	36.9	42.2	3,806,900	5,281,000
AITKIN	1,600	1,400	1,600	1,400	38.5	30.9	61,600	43,200
ANOKA	400	500	400	500	32.5	33.4	13,000	16,700
HENNEPIN	2,600	2,800	2,300	2,600	35.4	37.1	81,400	96,500
ISANTI	600	600	500	600	32.4	28.5	16,200	17,100
MILLE LACS	600	900	400	900	31.5	33.9	12,600	30,500
WASHINGTON	2,600	2,400	1,900	2,300	33.0	39.0	62,700	89,600
OTHER COUNTIES	1,200	1,300	1,200	1,100	28.6	30.6	37,200	33,700
EC DIST.	9,600	9,900	8,300	9,400	34.3	34.8	284,700	327,300

ALL WHEAT: ACREAGE, YIELD, AND PRODUCTION, BY DISTRICTS & COUNTIES, MINNESOTA (CONT'D)

DISTRICT AND COUNTY	ACREAGE PLANTED 1983	ACREAGE PLANTED 1984	ACREAGE HARVESTED 1983	ACREAGE HARVESTED 1984	YIELD PER HARVESTED ACRE 1983	YIELD PER HARVESTED ACRE 1984	PRODUCTION 1983	PRODUCTION 1984
	- ACRES -		- ACRES -		- BUSHELS -		- BUSHELS -	
COTTONWOOD	1,700	3,800	1,300	3,600	33.4	36.3	43,400	130,700
LINCOLN	20,900	19,500	18,400	18,400	32.0	39.6	588,400	729,500
LYON	33,800	19,000	29,400	16,900	33.0	39.0	970,500	658,700
MURRAY	9,900	9,400	9,100	9,100	33.1	36.1	300,800	328,800
NOBLES	3,200	2,800	2,500	2,700	33.2	35.3	83,000	95,400
PIPESTONE	3,200	2,300	3,200	2,300	31.0	39.8	99,200	91,600
REDWOOD	13,200	12,100	10,800	11,200	36.0	39.6	389,000	443,100
OTHER COUNTIES	900	1,200	700	1,000	33.9	38.8	23,700	38,800
SW DIST.	86,800	70,100	75,400	65,200	33.1	38.6	2,498,000	2,516,600
BLUE EARTH	4,900	4,700	2,800	4,200	35.9	42.8	100,400	179,700
BROWN	4,600	4,700	2,600	4,700	35.1	45.3	91,300	212,800
FARIBAULT	2,000	1,600	1,400	1,500	33.4	39.8	46,800	59,700
FREEBORN	3,100	1,400	1,500	1,100	33.6	42.2	50,400	46,400
LESUEUR	9,000	9,300	5,700	8,400	33.2	40.8	189,100	342,700
MARTIN	900	800	700	800	36.1	40.5	25,300	32,400
NICOLLET	5,600	4,900	3,300	4,000	35.1	44.8	115,900	179,000
RICE	1,700	3,000	1,000	3,000	33.6	38.5	33,600	115,600
STEELE	3,800	3,700	2,700	3,700	35.0	43.1	94,600	159,400
WASECA	2,200	1,600	1,300	1,600	33.9	43.0	44,100	68,800
WATONWAN	1,900	1,700	1,200	1,600	36.7	45.0	44,000	72,000
SC DIST.	39,700	37,400	24,200	34,600	34.5	42.4	835,500	1,468,500
DAKOTA	7,600	9,800	5,300	8,700	36.0	46.6	191,000	405,400
DODGE	1,400	2,000	1,000	2,000	33.2	43.1	33,200	86,200
FILLMORE	900	1,200	500	1,200	34.6	47.8	17,300	57,300
GOODHUE	2,600	3,500	1,800	3,400	34.2	44.2	61,500	150,400
MOWER	1,400	1,800	1,000	1,800	36.0	47.3	36,000	85,200
OLMSTED	900	1,400	800	1,300	34.3	43.9	27,400	57,100
WABASHA	700	900	600	900	33.5	44.1	20,100	39,700
OTHER COUNTIES	900	1,000	700	1,100	33.3	47.2	23,300	51,900
SE DIST.	16,400	21,700	11,700	20,400	35.0	45.7	409,800	933,200
***MINNESOTA	2,340,000	2,635,000	2,140,000	2,553,000	36.9	47.3	78,960,000	120,711,000



SPRING WHEAT: ACREAGE, YIELD, AND PRODUCTION, BY DISTRICTS & COUNTIES, MINNESOTA

DISTRICT AND COUNTY	ACREAGE PLANTED		ACREAGE HARVESTED		YIELD PER HARVESTED ACRE		PRODUCTION	
	1983	1984	1983	1984	1983	1984	1983	1984
	- ACRES -		- ACRES -		- BUSHELS -		- BUSHELS -	
BECKER	39,900	43,000	37,800	42,900	39.0	52.0	1,474,200	2,230,800
CLAY	122,800	126,500	109,600	123,700	40.0	53.0	4,384,000	6,556,100
CLEARWATER	9,800	10,000	9,300	9,900	29.0	33.0	269,700	326,700
KITTSON	187,700	204,000	179,200	201,300	36.0	53.0	6,451,200	10,668,900
MAHNOMEN	27,800	28,800	26,100	28,500	41.0	54.0	1,070,100	1,539,000
MARSHALL	241,700	259,800	227,900	254,800	37.0	53.0	8,432,300	13,504,400
NORMAN	139,400	150,000	132,100	146,800	41.0	53.0	5,416,100	7,780,600
PENNINGTON	66,200	65,100	54,500	63,500	26.0	35.0	1,417,000	2,222,500
POLK	275,400	284,700	258,900	281,300	42.0	52.0	10,873,800	14,627,600
RED LAKE	42,900	43,600	38,200	42,800	27.0	41.0	1,031,400	1,754,800
ROSEAU	128,000	125,000	116,300	123,500	35.0	51.0	4,070,500	6,298,500
NW DIST.	1,281,600	1,340,500	1,189,900	1,319,000	37.7	51.2	44,890,300	67,509,900
BELTRAMI	7,900	7,400	5,000	6,300	23.0	30.0	115,000	189,000
HUBBARD	500	500	500	500	30.0	31.0	15,000	15,500
KOOCHICHING	2,500	2,000	2,400	1,900	29.0	35.0	69,600	66,500
LAKE OF THE WOODS	12,200	12,500	9,900	12,500	39.0	42.0	386,100	525,000
OTHER COUNTIES	400	500	400	500	25.8	29.2	10,300	14,600
NC DIST.	23,500	22,900	18,200	21,700	32.7	37.4	596,000	810,600
NE DIST.	500	500	500	500	30.0	30.0	15,000	15,000
BIG STONE	50,800	50,500	47,900	50,500	33.0	42.0	1,580,700	2,121,000
CHIPPEWA	54,100	54,600	49,800	54,100	40.0	46.0	1,992,000	2,488,600
DOUGLAS	13,700	13,600	13,100	13,400	35.0	35.0	458,500	469,000
GRANT	70,000	69,100	64,400	67,800	37.0	43.0	2,382,800	2,915,400
LAC QUI PARLE	71,900	72,100	67,100	70,200	36.0	45.0	2,415,600	3,159,000
OTTER TAIL	56,200	55,800	55,500	55,300	37.0	43.0	2,053,500	2,377,900
POPE	23,500	24,600	21,200	24,500	37.0	45.0	784,400	1,102,500
STEVENS	51,100	52,000	46,500	51,700	38.0	45.0	1,767,000	2,326,500
SWIFT	49,200	49,600	48,600	49,500	38.0	45.0	1,846,800	2,227,500
TRAVERSE	83,200	81,700	81,300	80,200	33.0	42.0	2,682,900	3,368,400
WILKIN	107,100	108,200	102,400	107,600	37.0	45.0	3,788,800	4,842,000
YELLOW MEDICINE	35,200	36,300	30,500	34,300	35.0	43.0	1,067,500	1,474,900
WC DIST.	666,000	668,100	628,300	659,100	36.3	43.8	22,820,500	28,872,700
CARVER	2,300	2,600	2,300	2,400	35.0	41.0	80,500	98,400
KANDIYOHI	17,100	12,300	16,500	12,000	36.0	40.0	594,000	480,000
MCLEOD	11,600	7,200	10,200	7,200	35.0	41.0	357,000	295,200
MEEKER	5,500	3,800	5,100	3,600	39.0	39.0	198,900	140,400
MORRISON	700	700	600	700	36.0	34.0	21,600	23,800
RENVILLE	40,800	18,900	38,600	17,800	39.0	46.0	1,505,400	818,800
SCOTT	2,800	3,200	1,600	3,200	34.0	40.0	54,400	128,000
SHERBURNE	1,100	1,200	900	1,100	30.0	34.0	27,000	37,400
SIBLEY	8,700	6,500	7,800	6,200	36.0	45.0	280,800	279,000
STEARNS	4,500	4,000	3,200	3,900	36.0	37.0	115,200	144,300
TODD	1,300	1,500	800	1,500	36.0	32.0	28,800	48,000
WRIGHT	2,100	2,400	1,500	2,400	36.0	39.0	54,000	93,600
OTHER COUNTIES	500	500	300	300	35.7	31.0	10,700	9,300
CENT. DIST.	99,000	64,800	89,400	62,300	37.2	41.7	3,328,300	2,596,200
AITKIN	1,500	1,200	1,500	1,200	39.0	31.0	58,500	37,200
HENNEPIN	1,500	1,000	1,300	900	37.0	37.0	48,100	33,300
WASHINGTON	1,600	800	1,400	800	33.0	37.0	46,200	29,600
OTHER COUNTIES	1,800	1,600	1,800	1,400	32.1	29.2	57,700	40,900
EC DIST.	6,400	4,600	6,000	4,300	35.1	32.8	210,500	141,000

SPRING WHEAT: ACREAGE, YIELD, AND PRODUCTION, BY DISTRICTS & COUNTIES, MINNESOTA (CONT'D)

DISTRICT AND COUNTY	ACREAGE PLANTED		ACREAGE HARVESTED		YIELD PER HARVESTED ACRE		PRODUCTION	
	1983	1984	1983	1984	1983	1984	1983	1984
	- ACRES -		- ACRES -		- BUSHELS -		- BUSHELS -	
COTTONWOOD	1,400	3,300	1,000	3,200	32.0	36.0	32,000	115,200
LINCOLN	20,100	18,000	17,800	17,300	32.0	40.0	569,600	692,000
LYON	33,500	18,400	29,100	16,300	33.0	39.0	960,300	635,700
MURRAY	9,700	9,000	9,000	8,800	33.0	36.0	297,000	316,800
NOBLES	2,600	1,800	2,000	1,800	32.0	35.0	64,000	63,000
PIPESTONE	3,200	2,200	3,200	2,200	31.0	40.0	99,200	88,000
REDWOOD	12,200	10,000	10,700	9,100	36.0	39.0	385,200	354,900
OTHER COUNTIES	700	800	600	700	33.0	37.0	19,800	25,900
SW DIST.	83,400	63,500	73,400	59,400	33.1	38.6	2,427,100	2,291,500
BLUE EARTH	3,200	2,800	1,500	2,700	35.0	45.0	52,500	121,500
BROWN	3,500	3,500	2,100	3,500	33.0	44.0	69,300	154,000
FARIBAULT	1,400	900	1,000	900	32.0	39.0	32,000	35,100
LESUEUR	6,400	6,400	4,400	5,900	33.0	40.0	145,200	236,000
NICOLLET	4,900	4,100	3,000	3,400	35.0	45.0	105,000	153,000
RICE	1,300	2,600	700	2,600	33.0	38.0	23,100	98,800
STEELE	3,700	3,600	2,600	3,600	35.0	43.0	91,000	154,800
WASECA	1,700	1,100	900	1,100	32.0	44.0	28,800	48,400
WATONWAN	1,700	1,500	1,000	1,400	36.0	45.0	36,000	63,000
OTHER COUNTIES	3,000	1,200	1,400	1,200	32.9	42.0	46,000	50,400
SC DIST.	30,800	27,700	18,600	26,300	33.8	42.4	628,900	1,115,000
DAKOTA	3,200	1,400	2,100	1,400	33.0	41.0	69,300	57,400
DODGE	800	1,000	400	1,000	33.0	43.0	13,200	43,000
FILLMORE	600	500	300	500	35.0	50.0	10,500	25,000
GOODHUE	1,600	1,600	1,000	1,600	35.0	43.0	35,000	68,800
MOWER	1,200	1,400	800	1,400	36.0	48.0	28,800	67,200
OLMSTED	500	700	400	700	34.0	43.0	13,600	30,100
OTHER COUNTIES	900	800	700	800	32.9	45.8	23,000	36,600
SE DIST.	8,800	7,400	5,700	7,400	33.9	44.3	193,400	328,100
***MINNESOTA	2,200,000	2,200,000	2,030,000	2,160,000	37.0	48.0	75,110,000	103,680,000

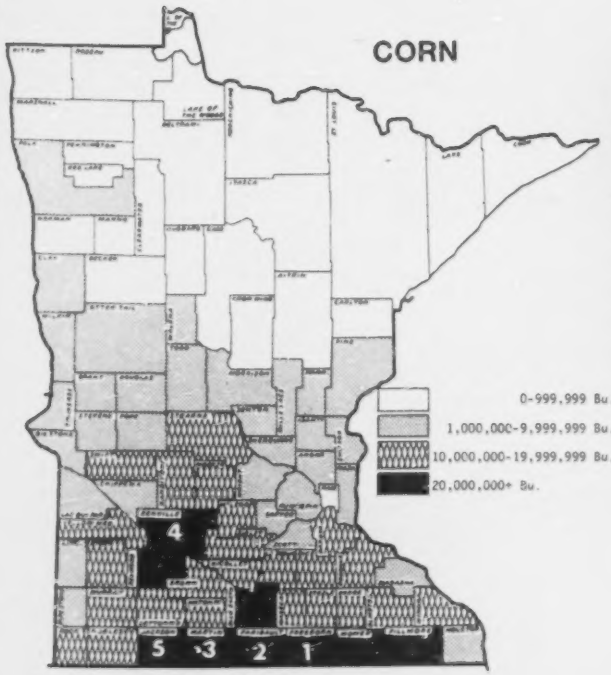
OATS: ACREAGE, YIELD, AND PRODUCTION, BY DISTRICTS AND COUNTIES, MINNESOTA

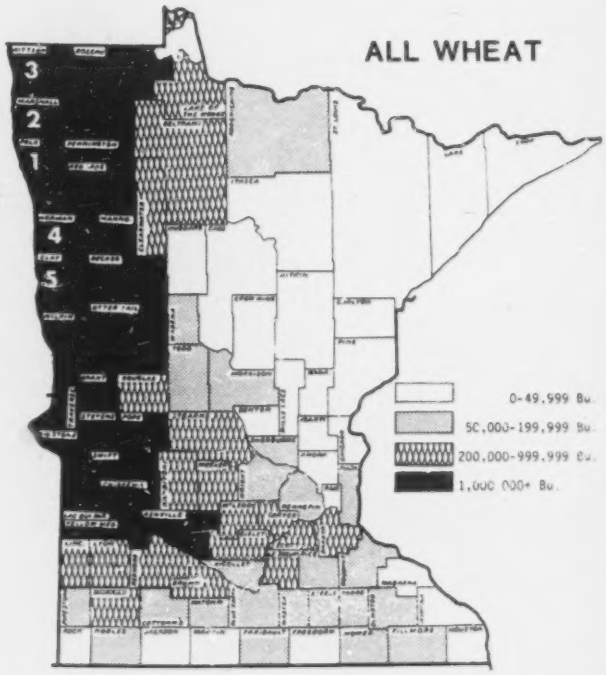
DISTRICT AND COUNTY	ACREAGE PLANTED		ACREAGE HARVESTED		YIELD PER HARVESTED ACRE		PRODUCTION	
	1983	1984	1983	1984	1983	1984	1983	1984
	- ACRES -		- ACRES -		- BUSHELS -		- BUSHELS -	
BECKER	33,900	26,000	29,300	24,000	56.0	53.0	1,639,300	1,282,000
CLAY	20,100	19,400	17,600	18,300	61.0	72.0	1,072,600	1,315,900
CLEARWATER	18,500	18,500	17,700	16,100	55.0	56.0	972,700	900,200
KITTSON	21,500	17,700	7,700	9,000	54.0	73.0	415,500	660,700
MAHNOMEN	8,600	8,100	7,200	6,600	69.0	75.0	496,400	494,600
MARSHALL	33,900	19,900	22,200	14,500	50.0	72.0	1,109,000	1,047,700
NORMAN	12,900	7,800	9,600	7,400	65.0	77.0	623,500	570,100
PENNINGTON	18,600	25,300	15,500	19,800	46.0	53.0	712,400	1,057,600
POLK	14,900	12,200	10,600	11,600	58.0	68.0	614,300	786,400
RED LAKE	32,400	32,100	25,300	24,400	42.0	56.0	1,061,700	1,371,000
ROSEAU	52,100	31,800	44,400	22,300	56.0	75.0	2,484,300	1,663,500
NW DIST.	267,400	218,800	207,100	174,000	54.1	64.1	11,201,700	11,149,700
BELTRAMI	16,000	17,400	12,600	14,100	49.0	51.0	616,800	724,200
CASS	4,100	9,100	2,200	4,600	47.0	59.0	103,300	273,000
HUBBARD	11,900	10,900	10,400	10,200	44.0	42.0	457,200	430,100
ITASCA	7,700	7,100	5,600	4,300	51.0	48.0	285,400	207,600
KOOCHICHING	9,300	8,900	8,700	6,800	45.0	47.0	391,200	321,300
LAKE OF THE WOODS	10,600	13,800	9,800	11,700	52.0	72.0	509,200	841,300
NC DIST.	59,600	67,200	49,300	51,700	47.9	54.1	2,363,100	2,797,500
ST LOUIS	8,000	8,800	6,100	7,500	40.0	47.0	243,800	351,000
OTHER COUNTIES	200	200	0	0	0	0	0	0
NE DIST.	8,200	9,000	6,100	7,500	40.0	47.0	243,800	351,000
BIG STONE	24,500	15,700	12,400	11,000	65.0	81.0	805,300	892,700
CHIPPEWA	23,100	11,100	8,800	8,400	67.0	73.0	589,100	612,500
DOUGLAS	60,100	52,800	55,800	51,300	59.0	64.0	3,289,400	3,300,900
GRANT	9,900	6,600	6,400	6,300	65.0	68.0	415,700	427,100
LAC QUI PARLE	64,800	13,100	14,900	7,800	61.0	75.0	908,100	586,000
OTTER TAIL	137,800	113,300	113,200	106,700	57.0	62.0	6,446,900	6,576,400
POPE	57,400	41,600	40,100	33,500	64.0	68.0	2,564,200	2,293,900
STEVENS	20,000	10,600	14,600	9,000	71.0	76.0	1,035,600	684,200
SWIFT	52,700	20,200	17,600	14,300	62.0	68.0	1,090,200	970,700
TRAVERSE	23,900	6,500	8,800	6,100	55.0	74.0	483,600	451,200
WILKIN	16,500	4,900	7,000	3,900	60.0	67.0	419,700	260,400
YELLOW MEDICINE	46,800	8,900	12,400	6,600	48.0	72.0	594,700	474,600
WC DIST.	537,500	305,300	312,000	264,900	59.8	66.2	18,642,500	17,530,600
BENTON	15,700	16,300	11,700	13,600	55.0	43.0	643,000	581,300
CARVER	22,400	17,000	13,200	14,900	67.0	77.0	883,700	1,147,900
KANDIYOHI	58,700	26,800	33,300	22,100	65.0	67.0	2,162,600	1,484,700
MCLEOD	29,300	17,600	14,800	15,400	66.0	77.0	976,000	1,179,800
MEEKER	45,800	27,900	19,700	20,900	66.0	67.0	1,299,000	1,395,500
MORRISON	32,900	29,600	28,700	26,500	59.0	57.0	1,691,800	1,519,500
RENVILLE	53,000	10,900	13,100	7,900	68.0	79.0	890,100	623,000
SCOTT	21,200	13,200	10,000	8,900	56.0	62.0	559,500	548,500
SHERBURNE	6,700	2,600	5,100	2,200	45.0	58.0	229,300	127,100
SIBLEY	23,700	13,900	9,000	10,500	61.0	79.0	548,500	832,700
STEARNS	103,500	94,600	86,200	85,200	61.0	61.0	5,253,600	5,204,800
TODD	59,700	49,800	53,900	43,200	59.0	58.0	3,177,300	2,485,100
WADENA	17,700	15,000	14,400	12,900	50.0	48.0	719,400	621,400
WRIGHT	40,600	22,200	28,000	19,100	58.0	65.0	1,622,600	1,247,800
CENT. DIST.	530,900	357,400	341,100	303,300	60.6	62.6	20,656,400	18,999,100

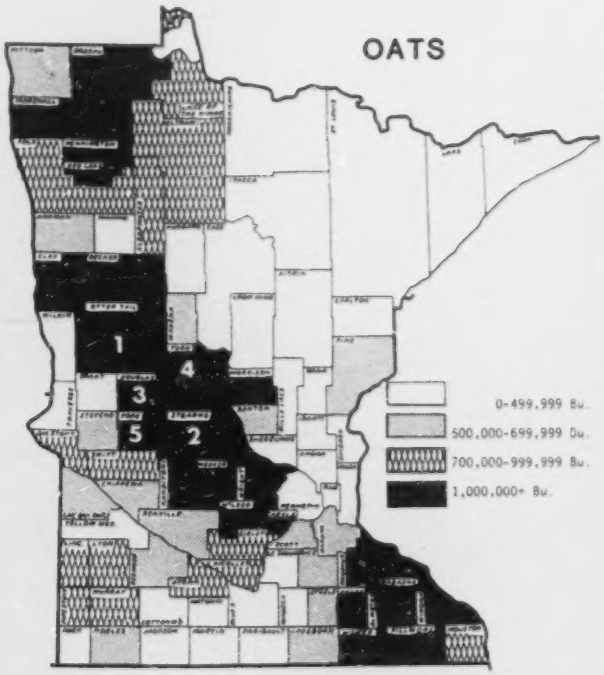
OATS: ACREAGE, YIELD, AND PRODUCTION, BY DISTRICTS AND COUNTIES, MINNESOTA (CONT'D)

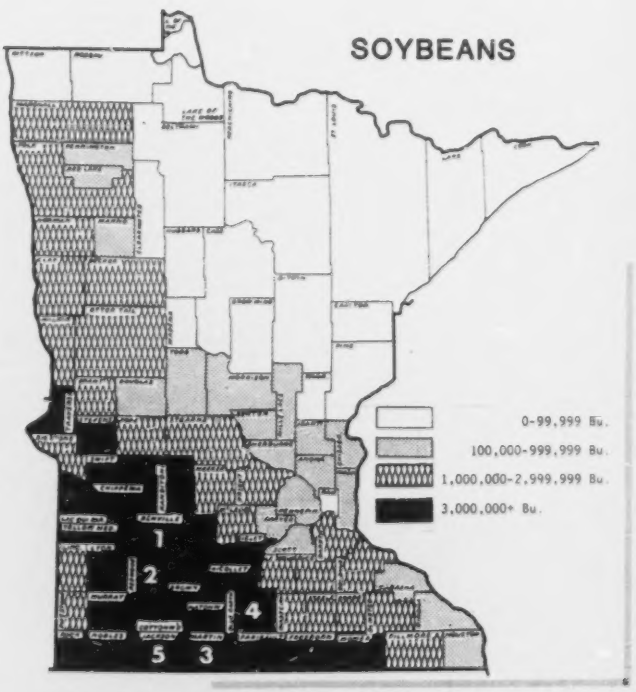
DISTRICT AND COUNTY	ACREAGE PLANTED 1983	ACREAGE PLANTED 1984	ACREAGE HARVESTED 1983	ACREAGE HARVESTED 1984	YIELD PER HARVESTED ACRE 1983	YIELD PER HARVESTED ACRE 1984	PRODUCTION 1983	PRODUCTION 1984
	- ACRES -		- ACRES -		- BUSHELS -		- BUSHELS -	
AITKIN	6,900	6,700	6,300	6,000	50.0	45.0	314,700	271,200
CARLTON	8,900	9,800	6,600	8,400	52.0	58.0	342,900	483,200
CHISAGO	6,200	6,800	5,000	6,400	53.0	67.0	264,800	427,300
CROW WING	9,900	13,600	8,500	9,700	49.0	46.0	416,200	449,600
HENNEPIN	6,600	6,900	5,400	6,200	59.0	59.0	318,300	365,400
ISANTI	6,400	4,900	5,500	4,400	54.0	52.0	296,800	230,500
KANABEC	9,400	7,900	6,700	6,500	54.0	53.0	361,500	344,500
MILLE LACS	12,300	10,900	10,500	8,300	55.0	58.0	576,900	480,700
PINE	21,500	16,700	18,000	14,700	53.0	45.0	953,100	657,800
WASHINGTON	7,300	4,400	4,900	3,900	52.0	65.0	254,600	252,400
OTHER COUNTIES	4,400	4,400	1,300	2,200	46.0	47.0	60,200	102,600
EC DIST.	99,800	93,000	78,700	76,700	52.9	53.0	4,160,000	4,065,200
COTTONWOOD	54,700	7,300	4,100	4,300	50.0	75.0	204,800	324,000
JACKSON	64,200	9,500	3,500	3,600	57.0	71.0	199,300	255,200
LINCOLN	26,000	13,200	15,500	11,300	49.0	68.0	758,800	763,100
LYON	45,400	21,600	10,300	12,000	49.0	71.0	504,300	853,700
MURRAY	53,200	15,900	14,100	10,900	49.0	67.0	690,300	727,800
NOBLES	78,300	20,000	12,400	10,300	56.0	65.0	693,800	666,600
PIPESTONE	27,300	16,400	15,400	13,800	47.0	61.0	723,100	846,900
REDWOOD	57,900	11,800	11,400	6,700	58.0	75.0	660,700	502,400
ROCK	48,200	9,000	8,600	6,000	54.0	73.0	464,100	440,300
SW DIST.	455,200	124,700	95,300	78,900	51.4	68.2	4,899,200	5,380,000
BLUE EARTH	38,400	6,700	2,900	3,600	57.0	74.0	165,200	268,000
BROWN	49,000	16,800	12,800	11,700	61.0	80.0	780,100	934,400
FARIBAULT	49,400	8,000	6,000	3,200	55.0	87.0	329,700	279,400
FREEBORN	76,400	16,900	13,000	9,200	49.0	68.0	636,400	629,100
LESUEUR	21,800	5,600	4,600	3,200	56.0	67.0	257,400	213,700
MARTIN	55,300	7,300	5,500	2,600	57.0	83.0	313,200	215,900
NICOLLET	25,700	13,300	7,800	9,200	54.0	85.0	420,300	785,800
RICE	26,100	13,200	8,100	9,300	53.0	69.0	428,900	641,500
STEELE	25,200	13,100	7,000	8,300	57.0	74.0	398,700	613,900
WASECA	25,000	5,500	3,000	2,100	58.0	72.0	173,900	150,700
WATONWAN	33,100	3,900	2,900	1,500	59.0	88.0	171,000	132,500
SC DIST.	425,400	110,300	73,600	63,900	55.4	76.1	4,075,300	4,864,900
DAKOTA	29,900	12,300	10,800	11,500	50.0	60.0	539,600	685,200
DODGE	56,500	18,600	9,600	14,600	57.0	76.0	546,800	1,104,400
FILLMORE	59,700	34,700	33,400	28,700	54.0	75.0	1,802,000	2,149,800
GOODHUE	49,000	33,200	28,300	28,000	57.0	71.0	1,611,700	1,991,800
HOUSTON	32,900	16,300	17,900	13,200	61.0	73.0	1,091,000	965,000
MOWER	78,800	20,500	19,900	15,000	54.0	70.0	1,073,700	1,054,700
OLMSTED	40,800	29,000	22,300	24,300	58.0	71.0	1,292,200	1,736,600
WABASHA	28,300	20,800	20,200	19,000	59.0	74.0	1,190,800	1,404,500
WINONA	40,100	28,900	24,400	24,800	64.0	71.0	1,560,200	1,770,000
SE DIST.	416,000	214,300	186,800	179,100	57.3	71.8	10,708,000	12,862,000
***MINNESOTA	2,800,000	1,500,000	1,350,000	1,200,000	57.0	65.0	76,950,000	78,000,000

GEOGRAPHIC DISTRIBUTION OF MAJOR MINNESOTA CROPS IN 1984









BARLEY: ACREAGE, YIELD, AND PRODUCTION, BY DISTRICTS AND COUNTIES, MINNESOTA

DISTRICT AND COUNTY	ACREAGE PLANTED		ACREAGE HARVESTED		YIELD PER HARVESTED ACRE		PRODUCTION	
	1983 1/	1984	1983 1/	1984	1983 1/	1984	1983 1/	1984
	- ACRES -		- ACRES -		- BUSHELS -		- BUSHELS -	
BECKER	47,700	33,500	38,100	31,000	56.0	66.0	2,133,600	2,046,000
CLAY	81,800	63,300	69,400	54,600	56.0	69.0	3,886,400	3,767,400
CLEARWATER	6,100	3,800	5,900	3,700	47.0	54.0	277,300	199,800
KITTSON	67,700	78,900	50,200	69,300	53.7	76.0	2,696,000	5,266,800
MAHNOMEN	54,000	52,900	49,800	50,200	57.0	70.0	2,838,600	3,514,000
MARSHALL	116,900	144,200	89,100	127,900	49.0	70.0	4,365,900	8,953,000
NORMAN	105,400	117,100	91,500	103,300	52.0	64.0	4,758,000	6,611,200
PENNINGTON	53,000	53,500	44,300	48,900	37.0	43.0	1,639,100	2,102,700
POLK	168,200	194,100	141,500	181,000	60.0	69.0	8,490,000	12,489,000
RED LAKE	34,800	38,700	28,100	35,400	42.0	54.0	1,180,200	1,911,600
ROSEAU	59,000	71,900	51,400	64,400	49.0	66.0	2,518,600	4,250,400
NW DIST.	794,600	851,900	659,300	769,700	52.8	66.4	34,783,700	51,111,900
BELTRAMI	2,900	3,200	2,800	2,700	38.0	37.0	106,400	99,900
HUBBARD	2,900	1,300	2,400	1,300	61.0	40.0	146,400	52,000
KOOCHICHING	1,200	700	800	400	43.0	32.0	34,400	12,800
LAKE OF THE WOODS	2,300	5,200	1,900	4,700	54.0	54.0	102,600	253,800
OTHER COUNTIES	500	300	400	300	46.0	36.3	18,400	10,900
NC DIST.	9,800	10,700	8,300	9,400	49.2	45.7	408,200	429,400
ST LOUIS	500	600	200	500	35.0	34.0	7,000	17,000
NE DIST.	500	600	200	500	35.0	34.0	7,000	17,000
BIG STONE	7,300	8,600	7,000	8,400	50.0	68.0	350,000	571,200
CHIPPEWA	1,100	600	800	600	59.0	68.0	47,200	40,800
DOUGLAS	9,300	4,900	9,100	4,400	54.0	56.0	491,400	246,400
GRANT	23,700	25,300	19,900	22,100	57.0	54.0	1,134,300	1,193,400
OTTER TAIL	24,700	22,000	23,100	20,900	55.0	55.0	1,270,500	1,149,500
POPE	1,600	2,300	1,500	2,000	54.0	59.0	81,000	118,000
STEVENS	15,000	14,800	14,000	14,000	55.0	68.0	770,000	952,000
SWIFT	2,000	1,500	1,800	1,500	55.0	65.0	99,000	97,500
TRAVERSE	26,000	28,200	23,200	25,700	53.2	62.0	1,233,200	1,593,400
WILKIN	59,300	61,300	36,200	55,800	56.0	61.0	2,027,200	3,403,800
OTHER COUNTIES	1,500	1,000	1,300	1,000	61.8	74.0	80,400	74,000
WC DIST.	171,500	170,500	137,900	156,400	55.0	60.4	7,584,200	9,440,000
BENTON	400	900	400	500	43.0	32.0	17,200	16,000
MORRISON	300	600	300	600	42.0	43.0	12,600	25,800
STEARNS	2,100	2,600	1,200	2,300	52.0	61.0	62,400	140,300
TODD	800	1,800	800	1,500	58.0	48.0	46,400	72,000
WADENA	700	900	700	800	52.0	53.0	36,400	42,400
OTHER COUNTIES	4,500	1,200	3,500	1,100	44.8	47.6	156,800	52,400
CENT. DIST.	8,800	8,000	6,900	6,800	48.1	51.3	331,800	348,900
EC DIST.	3,600	1,300	2,200	1,200	40.3	41.2	88,600	49,400
LINCOLN	600	1,000	300	900	38.0	55.0	11,400	49,500
OTHER COUNTIES	1,200	1,000	200	1,000	35.0	58.0	7,000	58,000
SW DIST.	1,800	2,000	500	1,900	36.8	56.6	18,400	107,500
SC DIST.	3,500	1,000	700	800	48.6	43.4	34,000	34,700
GOODHUE	2,200	1,200	1,800	900	51.0	66.0	91,800	59,400
OLMSTED	600	600	500	500	48.0	60.0	24,000	36,000
WABASHA	700	800	500	700	54.0	65.0	27,000	45,500
WINONA	800	600	500	500	51.0	63.0	25,500	31,500
OTHER COUNTIES	1,600	800	700	600	51.1	64.7	35,800	38,800
SE DIST.	5,900	4,000	4,000	3,300	51.0	64.0	204,100	211,200
***MINNESOTA	1,000,000	1,050,000	820,000	950,000	53.0	65.0	43,460,000	61,750,000

1/ Revised.

OIL SUNFLOWERS: ACREAGE, YIELD AND PRODUCTION, BY DISTRICTS AND COUNTIES, MINNESOTA

DISTRICT AND COUNTY	ACREAGE PLANTED 1983	ACREAGE PLANTED 1984	ACREAGE HARVESTED 1983	ACREAGE HARVESTED 1984	YIELD PER HARVESTED ACRE 1983	YIELD PER HARVESTED ACRE 1984	PRODUCTION 1983	PRODUCTION 1984
	- ACRES -		- ACRES -		- POUNDS -		- POUNDS -	
BECKER	10,400	10,900	10,300	10,600	930.0	1,210.0	9,579,000	12,826,000
CLAY	18,100	22,300	17,800	21,400	1,200.0	1,260.0	21,360,000	26,964,000
CLEARWATER	2,600	6,300	2,600	6,000	775.0	1,140.0	2,015,000	6,840,000
KITTSON	10,400	12,200	9,500	11,800	1,345.0	1,575.0	12,777,500	18,585,000
MAHNOMEN	10,500	11,100	10,300	10,700	1,250.6	1,365.0	12,881,000	14,605,500
MARSHALL	18,700	26,000	18,100	24,700	930.0	1,189.0	16,833,000	29,378,000
NORMAN	33,800	35,600	32,700	33,900	1,230.2	1,380.0	40,226,000	46,782,000
PENNINGTON	13,800	20,700	12,300	19,600	665.0	930.0	8,179,500	18,228,000
POLK	34,800	33,600	33,200	32,500	1,015.0	1,260.0	33,698,000	40,950,000
RED LAKE	8,300	12,000	7,600	11,500	795.0	1,310.0	6,042,000	15,065,000
ROSEAU	19,200	27,700	19,000	26,600	1,245.0	1,330.0	23,655,000	35,378,000
NW DIST.	180,600	218,400	173,400	209,300	1,079.9	1,269.0	187,246,000	265,601,500
NC DIST.	2,900	7,500	2,800	6,200	1,100.0	1,093.0	3,080,000	6,778,000
NE DIST.	0	1,500	0	1,500	0.0	500.0	0	750,000
BIG STONE	4,500	400	3,300	400	1,095.0	1,050.0	3,613,500	420,000
GRANT	5,100	700	5,100	500	1,250.0	1,200.0	6,375,000	600,000
LAC QUI PARLE	600	500	600	500	1,200.0	1,000.0	720,000	500,000
OTTER TAIL	4,100	2,400	4,000	2,400	1,370.0	1,070.0	5,480,000	2,568,000
POPE	1,200	800	1,200	800	1,045.0	1,250.0	1,254,000	1,000,000
STEVENS	5,400	3,200	5,400	2,600	1,100.0	1,150.0	5,940,000	2,990,000
SWIFT	5,900	1,200	5,700	1,200	1,050.0	1,100.0	5,985,000	1,320,000
TRAVERSE	8,500	500	8,400	400	940.0	1,150.0	7,896,000	460,000
WILKIN	10,300	5,000	10,100	4,800	1,325.0	1,200.0	13,382,500	5,760,000
OTHER COUNTIES	3,900	100	3,100	100	1,226.5	1,100.0	3,802,000	110,000
WC DIST.	49,500	14,800	46,900	13,700	1,160.9	1,148.0	54,448,000	15,728,000
CENT. DIST.	3,500	5,500	3,500	5,100	1,309.0	1,224.0	4,583,000	6,242,500
EC DIST.	600	500	600	500	1,033.0	1,070.0	620,000	535,000
SW DIST.	1,900	1,000	1,800	900	1,028.0	1,089.0	1,850,000	980,000
SC DIST.	600	500	600	500	1,112.0	1,040.0	667,000	520,000
SE DIST.	400	300	400	300	1,265.0	1,217.0	506,000	365,000
***MINNESOTA	240,000	250,000	230,000	238,000	1,100.0	1,250.0	253,000,000	297,500,000

NON-OIL SUNFLOWERS: ACREAGE, YIELD AND PRODUCTION, BY DISTRICTS AND COUNTIES, MINNESOTA

DISTRICT AND COUNTY	ACREAGE PLANTED 1983	ACREAGE PLANTED 1984	ACREAGE HARVESTED 1983	ACREAGE HARVESTED 1984	YIELD PER HARVESTED ACRE 1983	YIELD PER HARVESTED ACRE 1984	PRODUCTION 1983	PRODUCTION 1984
	- ACRES -		- ACRES -		- POUNDS -		- POUNDS -	
KITTSON	1,400	2,300	1,100	2,100	1,400	1,350	1,540,000	2,835,000
MARSHALL	400	2,100	400	1,900	1,300	1,345	520,000	2,556,000
NORMAN	1,100	3,000	1,000	2,900	1,250	1,050	1,250,000	3,045,000
PENNINGTON	500	1,000	500	900	890	1,150	445,000	1,035,000
POLK	3,400	2,700	3,200	2,500	1,300	1,197	4,160,000	2,993,000
RED LAKE	1,600	900	1,500	800	1,150	1,200	1,725,000	960,000
ROSEAU	400	1,000	200	900	1,300	1,225	260,000	1,102,500
OTHER COUNTIES	900	500	800	500	1,250	1,295	1,000,000	598,500
NW DIST.	9,700	13,500	8,700	12,500	1,253	1,210	10,900,000	15,125,000
OTHER COUNTIES	300	500	300	500	1,167	950	350,000	475,000
***MINNESOTA	10,000	14,000	9,000	13,000	1,250	1,200	11,250,000	15,600,000

POTATOES: ACREAGE, YIELD, AND PRODUCTION, BY DISTRICTS AND COUNTIES, MINNESOTA

DISTRICT AND COUNTY	ACREAGE PLANTED 1983	ACREAGE PLANTED 1984	ACREAGE HARVESTED 1983	ACREAGE HARVESTED 1984	YIELD PER HARVESTED ACRE 1983	YIELD PER HARVESTED ACRE 1984	PRODUCTION 1983	PRODUCTION 1984
	- ACRES -		- ACRES -		- CWT -		- CWT -	
CLAY	7,600	8,600	6,900	8,000	140	140	966,000	1,120,000
KITTSON	4,500	5,300	4,100	5,000	150	140	615,000	700,000
MARSHALL	8,300	11,300	8,000	10,800	150	140	1,200,000	1,512,000
NORMAN	1,400	1,500	1,200	1,300	120	125	144,000	162,500
POLK	25,000	27,600	22,500	26,500	150	160	3,375,000	4,240,000
NW DIST.								
LAKE OF WOODS	500	700	500	600	200	190	100,000	114,000
SHERBURNE	3,400	3,000	3,300	2,800	300	310	990,000	868,000
ANOKA	600	600	600	500	250	230	150,000	115,000
HENNEPIN	1,100	800	1,000	700	250	290	250,000	203,000
FREEBORN	4,500	4,400	4,100	4,100	210	220	861,000	902,000
SELECTED COUNTIES								
ALL OTHER COUNTIES	18,800	19,500	15,400	18,200	194	303	2,988,000	5,518,500
***MINNESOTA	75,700	83,300	67,600	78,500	172	197	11,639,000	15,455,000

SUGARBEETS: ACREAGE, YIELD, AND PRODUCTION, BY DISTRICTS AND COUNTIES, MINNESOTA

DISTRICT AND COUNTY	ACREAGE PLANTED 1983	ACREAGE PLANTED 1984	ACREAGE HARVESTED 1983	ACREAGE HARVESTED 1984	YIELD PER HARVESTED ACRE 1983	YIELD PER HARVESTED ACRE 1984	PRODUCTION 1983	PRODUCTION 1984
	- ACRES -		- ACRES -		- TONS -		- TONS -	
CLAY	45,100	42,800	44,400	42,300	16.2	16.0	719,280	677,300
KITTSON	11,800	13,600	11,800	13,500	14.5	14.3	171,100	193,500
MARSHALL	18,500	19,300	18,500	19,300	17.4	15.0	321,900	289,900
NORMAN	22,000	24,700	21,300	23,900	18.3	17.3	389,790	412,300
POLK	72,800	72,500	72,400	72,400	19.1	16.5	1,382,840	1,193,400
NW. DIST.								
CHIPPEWA	17,700	17,700	17,500	16,700	21.2	18.3	371,000	305,400
GRANT	5,900	5,900	5,900	5,800	20.3	17.8	119,770	103,500
LAC QUI PARLE	1,000	1,300	1,000	1,200	16.3	15.3	16,300	18,400
STEVENS	500	600	500	600	19.4	20.3	9,700	12,200
SWIFT	4,100	4,000	4,000	3,600	18.4	14.6	73,600	52,500
TRAVERSE	4,400	5,100	4,400	5,000	15.0	15.9	66,000	79,700
WILKIN	23,100	23,000	22,900	22,700	17.3	17.5	395,592	397,600
YELLOW MEDICINE	1,600	1,200	1,500	1,100	14.4	15.0	21,600	16,500
WC. DIST.								
KANDIYOHI	4,400	5,600	4,300	5,400	19.5	18.6	83,850	100,300
MEEKER	2,100	900	2,100	900	19.9	17.4	41,790	15,700
RENVILLE	21,000	20,500	20,800	19,700	19.0	18.1	394,600	357,200
SIBLEY	700	1,700	700	1,700	17.9	15.2	12,530	25,800
REDWOOD	1,500	1,600	1,300	1,300	13.3	14.7	17,290	19,100
FARIBAULT	2,000	1,700	1,900	1,600	14.3	14.1	27,170	22,600
OTHER COUNTIES	1,800	2,300	1,800	2,300	14.6	17.4	26,298	40,100
SEL. COUNTIES								
***MINNESOTA	262,000	266,000	259,000	261,000	18.0	16.6	4,662,000	4,333,000

ALL HAY: ACREAGE, YIELD, AND PRODUCTION, BY DISTRICTS AND COUNTIES, MINNESOTA

DISTRICT AND COUNTY	ACREAGE HARVESTED		YIELD PER HARVESTED ACRE		PRODUCTION	
	1983	1984	1983	1984	1983	1984
	- ACRES -		- TONS -		- TONS -	
BECKER	55,800	55,500	2.5	2.6	136,800	144,000
CLAY	20,800	18,200	3.0	2.3	63,000	42,300
CLEARWATER	46,100	47,600	2.0	2.2	93,300	104,500
KITTSON	11,700	12,600	1.9	2.6	21,900	32,300
MAHNOMEN	21,700	19,700	3.4	3.1	73,300	60,400
MARSHALL	36,200	31,600	2.4	2.5	87,600	78,800
NORMAN	19,100	17,600	2.6	3.0	50,300	52,300
PENNINGTON	24,700	22,700	2.1	2.3	53,100	51,100
POLK	44,300	41,700	2.7	2.8	117,400	117,800
RED LAKE	16,400	17,900	3.4	2.9	56,100	51,100
ROSEAU	62,700	61,100	2.1	2.2	130,700	135,800
NW DIST.	359,500	346,200	2.5	2.5	883,500	870,400
BELTRAMI	57,200	51,500	1.8	2.4	100,600	124,000
CASS	54,800	48,200	1.7	1.6	91,200	77,700
HUBBARD	36,200	32,400	1.6	1.4	56,700	45,600
ITASCA	53,300	48,000	1.8	2.0	96,500	97,200
KOOCHICHING	27,100	25,800	1.8	1.7	48,100	42,600
LAKE OF THE WOODS	22,800	16,700	2.2	2.4	51,200	40,500
NC DIST.	251,400	222,600	1.8	1.9	444,300	427,600
COOK	900	700	1.7	1.1	1,500	800
LAKE	1,900	2,000	1.7	1.6	3,300	3,100
ST LOUIS	73,600	70,600	1.6	1.8	114,300	127,400
NE DIST.	76,400	73,300	1.6	1.8	119,100	131,300
BIG STONE	11,700	10,700	3.4	3.6	39,200	38,000
CHIPPEWA	8,600	8,700	3.1	3.8	26,300	33,200
DOUGLAS	40,400	39,800	3.3	3.4	132,100	134,000
GRANT	10,200	10,200	2.9	3.4	29,600	34,400
LAC QUI PARLE	13,600	13,600	2.8	3.3	38,200	45,400
OTTER TAIL	167,800	171,800	3.4	2.9	575,300	490,100
POPE	28,200	29,000	3.9	3.4	109,400	97,400
STEVENS	8,600	8,000	3.5	4.3	30,100	34,500
SWIFT	13,800	14,300	3.7	3.2	51,100	45,900
TRAVERSE	7,700	7,000	1.7	2.9	13,400	20,000
WILKIN	13,500	11,700	2.6	2.5	35,500	29,400
YELLOW MEDICINE	16,000	14,500	3.3	4.0	53,000	57,600
WC DIST.	340,100	339,300	3.3	3.1	1,133,200	1,059,900
BENTON	38,700	39,300	2.8	3.3	109,500	128,500
CARVER	33,200	33,400	3.8	4.2	127,600	140,800
KANDIYOHI	28,300	28,200	3.8	3.6	106,300	101,600
MCLEOD	23,800	23,900	3.4	3.7	82,000	87,900
MEEKER	27,500	27,100	3.5	3.4	96,500	92,400
MORRISON	85,100	86,600	2.7	2.5	227,900	219,300
RENVILLE	11,600	11,300	3.8	3.9	43,800	43,800
SCOTT	21,200	21,900	3.8	3.5	80,100	75,800
SHERBURNE	17,800	17,500	2.8	3.1	50,100	54,100
SIBLEY	22,600	22,800	3.5	3.8	80,200	86,700
STEARNS	132,500	138,800	3.4	3.3	450,000	464,700
TODD	86,000	90,600	2.7	2.9	231,600	262,000
WADENA	55,300	55,500	2.5	2.0	139,000	108,400
WRIGHT	51,100	52,200	3.4	3.4	174,500	175,500
CENT. DIST.	634,700	649,100	3.1	3.1	1,999,100	2,041,500

ALL HAY: ACREAGE, YIELD, AND PRODUCTION, BY DISTRICTS AND COUNTIES, MINNESOTA (CONT'D)

DISTRICT AND COUNTY	ACREAGE HARVESTED		YIELD PER HARVESTED ACRE		PRODUCTION	
	1983	1984	1983	1984	1983	1984
	- ACRES -		- TONS -		- TONS -	
AITKIN	65,800	70,700	2.2	1.8	147,100	128,000
ANOKA	13,200	13,700	2.3	2.4	31,000	33,000
CARLTON	57,300	54,700	2.1	1.9	118,900	104,800
CHISAGO	26,300	28,100	3.1	3.4	80,500	96,100
CROW WING	28,100	31,600	2.0	1.9	55,100	61,300
HENNEPIN	19,800	21,800	3.4	3.2	67,700	69,100
ISANTI	21,400	23,900	2.8	3.2	60,800	75,700
KANABEC	42,900	45,200	2.8	2.7	119,400	124,000
MILLE LACS	43,100	45,200	2.7	3.0	114,300	136,600
PINE	87,700	89,100	2.6	2.4	224,700	217,800
RAMSEY	800	1,100	1.8	2.8	1,400	3,100
WASHINGTON	24,000	23,500	2.8	3.5	68,200	82,600
EC DIST.	430,400	448,600	2.5	2.5	1,089,100	1,132,100
COTTONWOOD	12,000	10,800	3.6	4.6	43,500	50,100
JACKSON	9,100	7,900	4.3	3.7	39,500	28,900
LINCOLN	28,300	25,600	3.5	3.2	99,900	82,300
LYON	21,300	19,300	4.0	3.3	86,000	63,500
MURRAY	21,300	18,900	3.8	3.8	81,100	71,200
NOBLES	16,100	15,900	3.4	4.0	55,300	63,700
PIPESTONE	23,300	20,600	3.4	3.6	78,900	74,800
REDWOOD	13,100	12,800	3.4	3.4	44,300	43,300
ROCK	18,000	16,000	4.2	3.8	75,100	60,300
SW DIST.	162,500	147,800	3.7	3.6	603,600	538,100
BLUE EARTH	6,600	6,600	3.2	3.4	21,000	22,500
BROWN	16,500	15,400	3.8	3.8	62,900	58,600
FARIBAULT	6,200	5,800	3.3	3.4	20,500	20,000
FREEBORN	12,300	12,200	3.1	3.7	38,600	45,500
LESUEUR	16,600	15,700	3.3	3.3	55,600	51,400
MARTIN	9,000	8,700	3.6	4.0	32,800	34,800
NICOLLET	10,800	10,300	4.0	4.5	43,400	46,500
RICE	28,600	26,500	3.0	4.3	86,500	114,600
STEELE	14,200	13,400	3.5	4.1	49,400	55,300
WASECA	9,100	8,800	3.7	4.2	33,900	37,100
WATONWAN	5,400	5,100	3.4	3.9	18,100	19,700
SC DIST.	135,300	128,500	3.4	3.9	462,700	506,000
DAKOTA	20,400	20,800	3.2	3.7	65,200	76,600
DODGE	22,900	21,600	3.5	4.0	79,200	87,300
FILLMORE	75,500	77,300	3.2	3.9	244,200	299,700
GOODHUE	66,600	65,700	3.5	3.8	234,200	249,800
HOUSTON	57,300	58,800	4.3	3.8	244,500	224,100
MOWER	21,600	21,200	3.3	3.7	70,900	78,000
OLMSTED	55,000	53,500	3.8	3.8	210,800	203,700
WABASHA	56,600	58,300	3.7	4.2	212,100	245,000
WINONA	63,800	67,400	3.5	4.0	220,300	268,900
SE DIST.	439,700	444,600	3.6	3.9	1,581,400	1,733,100
***MINNESOTA	2,800,000	2,800,000	2.9	3.0	8,316,000	8,440,000

ALFALFA HAY: ACREAGE, YIELD, AND PRODUCTION, BY DISTRICTS AND COUNTIES, MINNESOTA

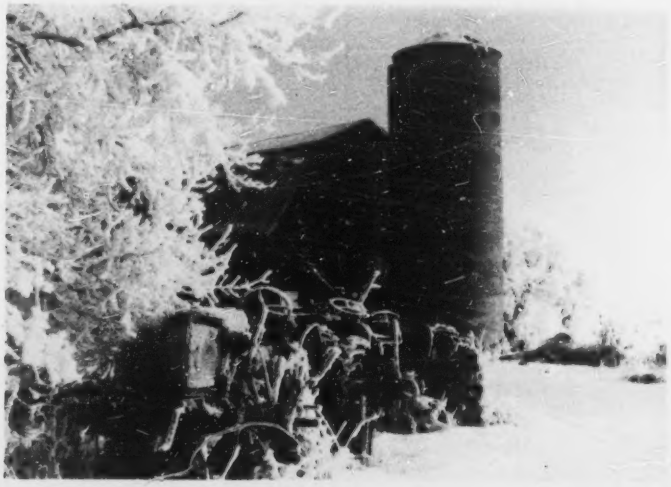
DISTRICT AND COUNTY	ACREAGE HARVESTED		YIELD PER HARVESTED ACRE		PRODUCTION	
	1983	1984	1983	1984	1983	1984
	- ACRES -		- TONS -		- TONS -	
BECKER	42,000	41,400	2.6	2.8	109,500	116,600
CLAY	16,100	14,100	3.5	2.5	55,900	34,800
CLEARWATER	32,600	34,400	2.1	2.4	69,000	82,100
KITTSON	8,100	8,800	1.9	3.2	15,200	27,800
MAHNOMEN	20,000	17,900	3.5	3.2	70,200	57,900
MARSHALL	28,000	24,100	2.6	2.6	71,700	61,700
NORMAN	15,700	14,300	2.8	3.3	44,500	46,500
PENNINGTON	18,000	16,300	2.2	2.5	39,700	40,200
POLK	28,900	26,600	3.1	3.0	89,700	80,400
RED LAKE	11,400	12,000	4.1	3.5	46,900	41,400
ROSEAU	41,400	40,900	2.4	2.4	99,800	100,200
NW DIST.	262,200	250,800	2.7	2.7	712,100	689,600
BELTRAMI	36,300	32,300	1.9	2.8	67,200	89,100
CASS	14,300	12,600	2.2	2.4	31,000	30,100
HUBBARD	14,600	14,100	2.0	1.9	29,200	26,200
ITASCA	11,900	12,500	2.3	2.1	26,800	25,700
KOOCHICHING	10,000	8,800	2.1	1.7	20,700	15,100
LAKE OF THE WOODS	15,500	10,900	2.6	2.9	40,200	31,800
NC DIST.	102,600	91,200	2.1	2.4	215,100	218,000
ST LOUIS	9,300	7,400	2.1	2.9	19,900	21,600
OTHER COUNTIES	200	200	1.5	2.5	300	500
NE DIST.	9,500	7,600	2.1	2.9	20,200	22,100
BIG STONE	8,500	8,100	4.2	4.2	35,300	34,400
CHIPPEWA	7,100	7,400	3.3	4.0	23,700	29,300
DOUGLAS	32,400	33,100	3.5	3.6	113,800	118,000
GRANT	8,300	8,500	3.1	3.6	25,900	30,200
LAC QUI PARLE	9,000	9,600	3.3	4.0	30,100	38,400
OTTER TAIL	126,000	134,700	3.5	3.0	441,600	402,300
POPE	22,800	23,900	4.2	3.5	94,800	83,900
STEVENS	7,900	7,200	3.6	4.5	28,600	32,400
SWIFT	9,600	10,100	4.3	3.5	41,400	35,400
TRAVERSE	6,500	6,100	1.8	2.9	11,800	17,500
WILKIN	7,500	6,800	3.1	2.9	23,500	19,600
YELLOW MEDICINE	10,900	9,800	3.5	4.2	38,200	41,200
WC DIST.	256,500	265,300	3.5	3.3	908,700	882,600
BENTON	23,700	24,300	3.2	3.5	75,000	85,700
CARVER	28,800	29,100	3.9	4.4	111,000	127,900
KANDIYOHI	24,600	24,500	3.9	3.8	95,200	93,100
MCLEOD	19,500	19,800	3.7	3.9	71,700	76,300
MEEKER	23,500	22,900	3.7	3.6	86,000	83,500
MORRISON	51,300	52,000	3.1	2.8	160,000	146,900
RENVILLE	9,200	9,100	4.0	4.0	36,600	36,300
SCOTT	18,200	19,100	3.9	3.5	71,100	67,600
SHERBURNE	13,900	13,800	3.0	3.2	42,300	43,700
SIBLEY	18,800	19,200	3.8	4.0	70,900	77,400
STEARNS	107,200	113,000	3.5	3.5	375,400	390,300
TODD	63,100	67,200	3.0	3.0	186,900	202,100
WADENA	28,200	28,600	3.0	2.5	84,800	72,000
WRIGHT	43,100	44,500	3.5	3.6	152,100	158,200
CENT. DIST.	473,100	487,100	3.4	3.4	1,619,000	1,661,000

ALFALFA HAY: ACREAGE, YIELD, AND PRODUCTION, BY DISTRICTS AND COUNTIES, MINNESOTA (CONT'D)

DISTRICT AND COUNTY	ACREAGE HARVESTED		YIELD PER HARVESTED ACRE		PRODUCTION	
	1983	1984	1983	1984	1983	1984
	- ACRES -		- TONS -		- TONS -	
AITKIN	9,800	11,700	2.5	2.0	24,200	23,400
ANOKA	8,600	9,700	2.5	2.5	21,300	24,300
CARLTON	14,200	15,000	1.9	2.0	26,400	29,500
CHISAGO	16,900	19,600	3.5	3.7	59,800	72,200
CROW WING	8,500	10,100	2.1	2.9	17,600	29,300
HENNEPIN	16,900	19,000	3.6	3.3	60,500	63,000
ISANTI	14,300	17,100	3.3	3.0	46,700	51,800
KANABEC	19,200	21,100	3.2	2.9	61,600	62,200
MILLE LACS	20,700	20,900	3.0	3.5	62,300	72,200
PINE	32,500	32,400	2.8	3.3	90,600	106,400
RAMSEY	600	800	1.4	2.8	800	2,200
WASHINGTON	20,200	20,200	3.0	3.5	59,600	71,400
EC DIST.	182,400	197,600	2.9	3.1	531,400	607,900
COTTONWOOD	10,700	9,800	3.7	4.8	39,800	47,100
JACKSON	7,100	5,900	4.9	4.0	34,300	23,600
LINCOLN	22,200	20,300	3.8	3.4	83,700	69,200
LYON	16,100	14,000	4.6	3.7	73,500	51,800
MURRAY	19,000	16,700	3.9	3.9	73,600	65,300
NOBLES	13,300	13,300	3.5	4.2	47,200	55,900
PIPESTONE	17,900	15,600	3.6	3.9	63,800	61,500
REDWOOD	10,600	10,200	3.5	3.6	37,000	36,300
ROCK	14,200	12,000	4.5	4.1	64,100	49,700
SW DIST.	131,100	117,800	3.9	3.9	517,500	460,400
BLUE EARTH	5,400	5,400	3.5	3.7	19,000	20,100
BROWN	15,400	14,500	3.9	3.9	60,500	56,800
FARIBAULT	4,500	4,400	3.4	3.9	15,200	17,100
FREEBORN	10,400	10,300	3.3	3.9	34,000	40,000
LESUEUR	14,200	13,400	3.6	3.4	50,900	45,400
MARTIN	6,400	6,300	3.8	4.2	24,500	26,400
NICOLLET	9,500	9,300	4.3	4.7	40,700	43,500
RICE	25,500	23,900	3.1	4.5	78,400	107,200
STEELE	12,700	11,900	3.6	4.3	45,600	50,800
WASECA	7,900	7,600	3.9	4.4	30,900	33,400
WATONWAN	4,000	3,800	3.8	4.5	15,300	17,100
SC DIST.	115,900	110,800	3.6	4.1	415,000	457,800
DAKOTA	15,000	16,200	3.4	3.8	51,700	61,200
DODGE	19,000	18,000	3.4	4.2	65,400	75,900
FILLMORE	62,100	64,300	3.2	4.0	196,200	254,000
GOODHUE	60,100	59,400	3.5	3.8	210,800	225,900
HOUSTON	50,100	51,500	4.4	3.8	220,000	195,700
MOWER	18,500	18,400	3.3	3.8	61,000	69,600
OLMSTED	43,500	42,500	4.0	3.8	175,000	159,700
WABASHA	50,000	51,200	3.8	4.2	187,800	214,400
WINONA	48,400	50,300	3.4	4.1	163,100	204,200
SE DIST.	366,700	371,800	3.6	3.9	1,331,000	1,460,600
***MINNESOTA	1,900,000	1,900,000	3.3	3.4	6,270,000	6,460,000

FLAX: ACREAGE, YIELD, AND PRODUCTION, BY DISTRICTS AND COUNTIES, MINNESOTA

DISTRICT AND COUNTY	ACREAGE PLANTED 1983	ACREAGE PLANTED 1984	ACREAGE HARVESTED 1983	ACREAGE HARVESTED 1984	YIELD PER HARVESTED ACRE 1983	YIELD PER HARVESTED ACRE 1984	PRODUCTION 1983	PRODUCTION 1984
	- ACRES -		- ACRES -		- BUSHELS -		- BUSHELS -	
BECKER	3,400	1,000	3,000	900	14.0	13.0	42,000	11,700
CLAY	2,500	2,200	2,200	2,000	15.5	14.0	34,100	28,000
KITTSON	3,700	2,200	3,400	2,100	15.0	22.0	51,000	46,200
MAHNOMEN	900	1,100	800	1,100	13.0	16.0	10,400	17,600
MARSHALL	8,600	4,700	7,700	4,500	11.0	15.0	84,700	67,500
PENNINGTON	2,600	2,100	2,000	1,700	10.0	13.0	20,000	22,100
POLK	6,000	2,200	5,400	2,100	12.0	16.0	64,800	33,600
RED LAKE	800	800	700	700	11.0	14.0	7,700	9,800
ROSEAU	33,500	17,500	30,200	15,500	13.0	14.0	392,600	217,500
OTHER COUNTIES	1,400	700	1,300	700	12.5	15.0	16,300	10,500
NW DIST.	63,400	34,500	56,700	31,300	13.6	14.8	723,600	464,500
LAKE OF THE WOODS	3,800	2,500	3,300	2,200	14.0	12.0	46,200	26,400
OTHER COUNTIES	700	800	500	800	11.6	12.6	5,800	10,100
NC DIST.	4,500	3,300	3,800	3,000	13.6	12.2	52,000	36,500
NE DIST.	400	0	400	0	12.0	0.0	4,800	0
BIG STONE	1,300	1,100	1,100	1,100	14.0	14.0	15,400	15,400
DOUGLAS	900	700	800	700	14.0	15.0	11,200	10,500
OTTER TAIL	900	1,200	800	1,100	12.0	16.0	9,600	17,600
TRAVERSE	1,200	2,200	1,000	1,900	11.0	14.0	11,000	26,600
OTHER COUNTIES	2,800	2,100	2,300	2,100	12.8	14.1	29,500	29,600
WC DIST.	7,100	7,300	6,000	6,900	12.7	14.4	76,700	99,700
CENT. DIST.	200	0	0	0	0.0	0.0	0	0
EC DIST.	300	0	300	0	11.3	0.0	3,400	0
LINCOLN	4,300	2,500	3,700	1,900	10.0	13.0	37,000	24,700
PIPESTONE	3,100	1,800	2,600	1,300	9.0	14.0	23,400	18,200
OTHER COUNTIES	1,000	600	900	600	10.3	15.7	9,300	9,400
SW DIST.	8,400	4,900	7,200	3,800	9.6	13.8	69,700	52,300
SC DIST.	700	0	600	0	12.6	0.0	7,800	0
***MINNESOTA	85,000	50,000	75,000	45,000	12.5	14.5	938,000	652,500



(Photo: A. Doehling)

RYE: ACREAGE, YIELD, AND PRODUCTION, BY DISTRICTS AND COUNTIES, MINNESOTA

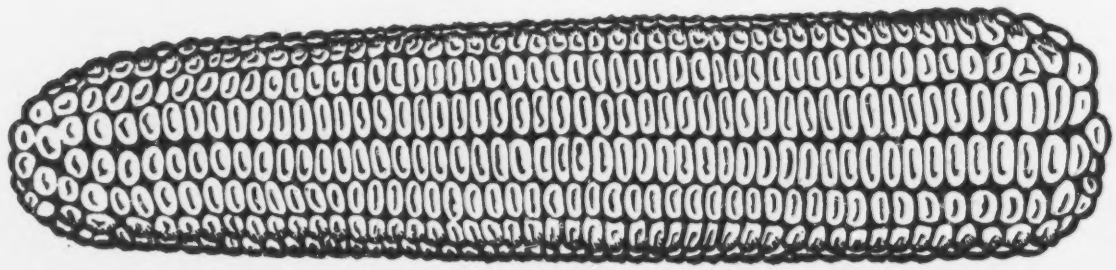
DISTRICT AND COUNTY	ACREAGE PLANTED		ACREAGE HARVESTED		YIELD PER HARVESTED ACRE		PRODUCTION	
	1983	1984	1983	1984	1983	1984	1983	1984
	- ACRES -		- ACRES -		- BUSHELS -		- BUSHELS -	
BECKER	4,200	4,600	3,400	4,300	27.0	35.0	91,800	150,500
CLAY	6,400	7,000	5,100	6,600	31.0	42.0	158,100	277,200
CLEARWATER	1,800	2,000	1,400	1,900	36.0	42.0	50,400	79,800
KITTSON	4,000	4,300	3,200	4,200	30.0	36.0	96,000	151,200
MAHNOMEN	4,200	4,600	3,400	4,400	30.0	40.0	102,000	176,000
MARSHALL	8,700	9,400	6,900	9,000	29.0	38.0	200,100	342,000
NORMAN	4,000	4,300	3,200	4,200	30.0	45.0	96,000	189,000
PENNINGTON	2,800	3,000	2,300	2,900	25.0	31.0	57,500	89,900
POLK	6,900	7,500	5,600	6,400	32.0	40.0	179,200	256,000
RED LAKE	2,000	2,200	1,600	1,800	33.0	35.0	52,800	63,000
ROSEAU	6,800	7,400	5,500	7,200	33.0	44.0	181,500	316,800
NW DIST.	51,800	56,300	41,600	52,900	30.4	39.5	1,265,400	2,091,400
BELTRAMI	500	600	500	600	30.0	33.0	15,000	19,800
CASS	400	500	400	400	30.0	35.0	12,000	14,000
ITASCA	600	700	500	600	30.0	35.0	15,000	21,000
LAKE OF THE WOODS	400	500	400	400	32.0	35.0	12,800	14,000
OTHER COUNTIES	500	700	500	700	29.2	31.1	14,600	21,800
NC DIST.	2,400	3,000	2,300	2,700	30.2	33.6	69,400	90,600
NE DIST.	100	200	100	200	27.0	36.0	2,700	7,200
BIG STONE	8,200	9,300	6,500	7,800	40.0	44.0	260,000	343,200
CHIPPEWA	1,000	1,100	900	900	38.0	40.0	34,200	36,000
DOUGLAS	6,800	7,700	5,600	7,200	31.0	48.0	173,600	345,600
GRANT	2,900	3,300	2,400	3,200	32.0	48.0	76,800	153,600
LAC QUI PARLE	2,400	2,700	2,000	2,600	35.0	40.0	70,000	104,000
OTTER TAIL	11,800	13,400	9,600	12,300	30.0	40.0	288,000	492,000
POPE	3,600	4,100	3,000	3,600	32.0	43.0	96,000	154,800
STEVENS	3,100	3,500	2,600	3,400	34.0	40.0	88,400	136,000
SWIFT	5,600	6,400	4,500	2,600	36.0	40.0	162,000	104,000
TRAVERSE	5,800	6,600	4,700	6,000	35.0	42.0	164,500	252,000
WILKIN	1,900	2,300	1,500	2,200	32.0	41.0	48,000	90,200
YELLOW MEDICINE	1,200	1,400	900	1,200	36.0	40.0	32,400	48,000
WC DIST.	54,300	61,800	44,200	53,000	33.8	42.6	1,493,900	2,259,400
BENTON	5,000	4,000	3,900	3,500	35.0	35.0	136,500	122,500
KANDIYOHI	1,800	1,500	1,400	1,300	34.0	40.0	47,600	52,000
MCLEOD	1,400	1,100	1,100	900	30.0	35.0	33,000	31,500
MEEKER	2,500	2,000	1,900	1,800	32.0	35.0	60,800	63,000
MORRISON	4,200	3,400	3,300	3,000	32.0	32.0	105,600	96,000
RENVILLE	700	600	500	600	35.0	38.0	17,500	22,800
SCOTT	2,100	1,700	1,600	1,700	30.0	35.0	48,000	59,500
SHERBURNE	18,700	15,100	14,000	13,000	26.0	30.0	364,000	390,000
STEARNS	6,100	4,900	4,700	4,400	33.0	32.0	155,100	140,800
TODD	2,100	1,700	1,600	1,400	32.0	36.0	51,200	50,400
WADENA	1,000	800	800	800	25.0	35.0	20,000	28,000
WRIGHT	3,100	2,500	2,400	2,100	31.0	35.0	74,400	73,500
OTHER COUNTIES	1,000	900	800	900	31.0	34.4	24,800	31,000
CENT. DIST.	49,700	40,200	38,000	35,400	30.0	32.8	1,138,500	1,161,000
AITKIN	1,600	1,900	1,400	1,700	28.0	32.0	39,200	54,400
ANOKA	4,000	4,600	3,400	3,900	29.0	32.0	98,600	124,800
CARLTON	600	700	500	700	28.0	30.0	14,000	21,000
CHISAGO	5,200	6,000	4,500	5,500	26.0	31.0	117,000	170,500
CROW WING	600	700	500	600	25.0	33.0	12,500	19,800
HENNEPIN	1,000	1,200	900	700	28.0	32.0	25,200	22,400
ISANTI	7,000	8,100	6,100	6,700	27.0	33.0	164,600	221,100
KANABEC	600	700	500	700	27.0	34.0	13,500	23,800
PINE	600	700	500	700	28.0	34.0	14,000	23,800
WASHINGTON	500	600	400	600	30.0	31.0	12,000	18,600
OTHER COUNTIES	600	700	500	400	27.4	33.0	13,700	13,200
EC DIST.	22,300	25,900	19,200	22,200	27.3	32.1	524,300	713,400
LINCOLN	1,600	1,100	1,300	1,000	33.0	35.0	42,900	35,000
NOBLES	1,000	600	1,000	500	32.0	34.0	32,000	17,000
OTHER COUNTIES	2,700	1,900	2,100	1,500	37.2	35.3	70,600	53,000
SW DIST.	5,300	3,600	4,400	3,000	33.1	35.0	145,500	105,000
BROWN	800	600	400	600	32.0	40.0	12,800	24,000
FREEBORN	900	600	600	200	32.0	43.0	19,200	8,600
NICOLLET	1,000	700	600	300	31.0	36.0	18,600	10,800
RICE	1,000	700	600	400	32.0	37.0	19,200	14,800
OTHER COUNTIES	4,700	3,400	2,700	2,300	32.1	39.3	86,700	90,400
SC DIST.	8,400	6,000	4,900	3,800	31.9	39.1	156,500	148,600
DAKOTA	1,300	600	1,200	400	30.0	40.0	36,000	16,000
WABASHA	1,000	500	900	300	30.0	41.0	27,000	12,300
OTHER COUNTIES	3,400	1,900	3,200	1,100	31.5	41.0	100,800	45,100
SE DIST.	5,700	3,000	5,300	1,800	30.9	40.8	163,800	73,400
***MINNESOTA	200,000	200,000	160,000	175,000	31.0	38.0	4,960,000	6,650,000

DRY EDIBLE BEANS: ACREAGE, YIELD, AND PRODUCTION, BY DISTRICTS AND COUNTIES, MINNESOTA

DISTRICT AND COUNTY	ACREAGE PLANTED 1983	ACREAGE PLANTED 1984	ACREAGE HARVESTED 1983	ACREAGE HARVESTED 1984	YIELD PER HARVESTED ACRE 1983	YIELD PER HARVESTED ACRE 1984	PRODUCTION 1983	PRODUCTION 1984
	- ACRES -		- ACRES -		- POUNDS -		- CWT -	
BECKER	700	1,100	700	900	830	840	5,800	7,600
CLAY	1,400	2,200	1,300	2,100	1,100	1,030	14,300	21,600
KITTSON	600	600	500	600	620	1,180	3,100	7,100
MARSHALL	4,600	5,300	4,500	5,100	1,070	1,390	48,200	71,100
NORMAN	400	500	400	500	1,000	1,160	4,000	5,800
POLK	6,400	6,400	6,100	6,300	1,040	1,530	63,400	96,700
OTHER COUNTIES	300	100	300	100	570	1,100	1,700	1,100
NW DIST.	14,400	16,200	13,800	15,600	1,020	1,350	140,500	211,000
CASS	500	700	500	700	1,240	1,130	6,200	7,900
HUBBARD	3,300	4,400	3,200	4,200	1,460	930	46,600	39,000
NC DIST.	3,800	5,100	3,700	4,900	1,430	960	52,800	46,900
CHIPPEWA	900	1,000	800	900	990	1,230	7,900	11,100
DOUGLAS	400	600	300	600	1,100	1,270	3,300	7,600
GRANT	600	4,200	600	4,000	1,150	1,530	6,900	61,200
LAC QUI PARLE	500	500	500	500	1,040	1,260	5,200	6,300
OTTER TAIL	4,300	6,000	4,000	5,700	1,150	1,590	45,800	90,600
STEVENS	600	700	600	700	1,250	1,900	7,500	13,300
SWIFT	1,000	2,000	900	1,900	1,140	1,540	10,300	29,200
TRAVERSE	400	700	400	700	1,050	1,130	4,200	7,900
WILKIN	900	600	900	600	1,140	980	10,300	5,900
YELLOW MEDICINE	900	1,600	900	1,500	1,200	960	10,800	14,400
OTHER COUNTIES	800	800	800	800	1,350	1,740	10,800	13,900
WC DIST.	11,300	18,700	10,700	17,900	1,150	1,460	123,000	261,400
BENTON	700	800	700	800	1,700	2,000	11,900	16,000
KANDIYOHI	1,100	700	900	700	930	1,330	8,400	9,300
MORRISON	700	1,100	600	1,100	1,030	2,000	6,200	22,000
RENVILLE	3,400	4,000	3,100	3,800	1,310	1,490	40,700	56,800
SHERBURNE	300	700	200	700	1,550	1,940	3,100	13,600
TODD	300	600	300	600	1,770	1,430	5,300	8,600
WADENA	900	1,100	800	1,000	1,240	1,170	9,900	11,700
OTHER COUNTIES	1,300	600	1,200	600	1,180	1,600	14,200	9,600
CENT. DIST.	8,700	9,600	7,800	9,300	1,280	1,590	99,700	147,600
EC DIST.	100	0	0	0	0	0	0	0
REDWOOD	600	600	500	600	1,200	1,480	6,000	8,900
OTHER COUNTIES	800	400	300	300	770	1,070	2,300	3,200
SW DIST.	1,400	1,000	800	900	1,040	1,340	8,300	12,100
SC DIST.	1,000	600	900	600	920	1,430	8,300	8,600
SE DIST.	1,300	800	1,300	800	1,490	1,550	19,400	12,400
***MINNESOTA	42,000	52,000	39,000	50,000	1,160	1,400	452,000	700,000

SWEET CORN FOR PROCESSING: ACREAGE, YIELD, AND PRODUCTION, BY DISTRICTS AND COUNTIES, MINNESOTA

DISTRICT AND COUNTY	ACREAGE PLANTED 1983	ACREAGE PLANTED 1984	ACREAGE HARVESTED 1983	ACREAGE HARVESTED 1984	YIELD PER HARVESTED ACRE 1983	YIELD PER HARVESTED ACRE 1984	PRODUCTION 1983	PRODUCTION 1984
	- ACRES -		- ACRES -		- TONS -		- TONS -	
GRANT	500	600	500	600	4.30	5.60	2,150	3,360
POPE	1,400	1,600	1,300	1,500	4.80	5.80	6,240	8,720
SWIFT	1,300	1,500	1,200	1,400	4.70	5.80	5,640	8,120
OTHER COUNTIES	500	900	500	800	4.50	5.60	2,240	4,480
WC DIST.	3,700	4,600	3,500	4,300	4.65	5.74	16,270	24,680
KANDIYOHI	3,000	2,600	2,900	2,500	4.60	5.70	13,340	14,170
MCLEOD	6,800	7,600	6,700	7,200	4.60	5.70	30,970	40,800
MEEKER	2,700	3,900	2,600	3,700	4.60	5.70	11,960	20,970
RENVILLE	9,000	9,900	8,800	9,200	4.70	5.80	41,450	53,060
SHERBURNE	1,500	1,800	1,500	1,700	4.70	5.80	7,050	9,840
SIBLEY	3,800	4,700	3,700	4,400	4.60	5.70	17,020	24,930
STEARNS	1,100	1,700	1,100	1,600	4.80	5.80	5,280	9,230
WRIGHT	900	1,200	900	1,200	4.50	5.70	4,050	6,880
OTHER COUNTIES	200	300	200	300	4.60	5.70	920	1,700
CENT. DIST.	29,000	33,700	28,400	31,800	4.64	5.71	132,040	181,580
EC DIST.	100	100	100	100	4.40	5.60	440	560
REDWOOD	4,000	3,800	3,900	3,500	4.60	5.70	17,940	19,950
SW DIST.	4,000	3,800	3,900	3,500	4.60	5.70	17,940	19,950
BLUE EARTH	2,800	2,400	2,600	2,300	4.50	5.50	11,740	12,750
BROWN	5,200	4,700	5,100	4,400	4.60	5.30	23,550	23,500
FARIBAULT	8,200	10,000	8,000	9,500	4.40	5.70	35,500	54,560
FREEBORN	2,700	2,900	2,500	2,800	4.30	5.80	10,750	16,360
LESUEUR	2,200	1,800	2,100	1,700	4.60	5.70	9,690	9,760
MARTIN	3,200	3,000	3,100	2,900	4.10	5.30	12,820	15,490
NICOLLET	3,900	2,800	3,800	2,600	4.60	5.60	17,550	14,670
RICE	800	700	800	600	4.30	5.60	3,450	3,330
STEELE	2,500	2,300	2,400	2,200	4.10	5.80	9,920	12,860
WASECA	3,700	3,500	3,400	3,400	4.60	5.80	15,700	19,820
WATONWAN	1,200	1,600	1,200	1,600	4.20	5.80	5,060	9,280
SC. DIST.	36,400	35,700	35,000	34,000	4.45	5.66	155,730	192,380
DAKOTA	4,000	5,400	3,900	5,200	4.70	5.70	18,330	29,530
DODGE	11,400	12,700	11,200	12,400	4.50	6.00	50,740	74,050
GOODHUE	9,000	9,500	8,900	9,200	4.50	6.10	40,530	55,840
MOWER	5,000	6,200	4,900	6,100	4.40	6.00	21,560	36,430
OLMSTED	3,700	3,400	3,700	3,400	5.20	6.60	19,240	22,300
WABASHA	4,300	4,300	4,300	4,300	5.30	6.50	22,790	27,780
OTHER COUNTIES	600	700	600	700	5.10	6.00	3,030	4,220
SE DIST.	38,000	42,200	37,500	41,300	4.70	6.06	176,220	250,150
***MINNESOTA	111,200	120,100	108,400	115,000	4.60	5.82	498,640	669,300



AVERAGE COMPLETION DATES FOR MINNESOTA PLANTING AND HARVESTING

Crop and Year	Date PLANTING Completed					Date HARVESTING Completed				
	10 Percent	25 Percent	50 Percent	75 Percent	90 Percent	10 Percent	25 Percent	50 Percent	75 Percent	90 Percent
Corn:										
1984	MAY 8	MAY 14	MAY 17	MAY 23	MAY 27	OCT 8	OCT 23	OCT 29	NOV 6	NOV 13
1983	MAY 4	MAY 11	MAY 18	MAY 25	JUN 2	SEP 29	OCT 5	OCT 15	OCT 26	NOV 2
1980-84	APR 30	MAY 5	MAY 13	MAY 21	MAY 29	OCT 5	OCT 17	OCT 28	NOV 6	NOV 17
Soybeans:										
1984	MAY 18	MAY 22	MAY 26	MAY 30	JUN 8	SEP 27	OCT 2	OCT 7	OCT 27	NOV 6
1983	MAY 18	MAY 23	MAY 28	JUN 4	JUN 11	SEP 27	OCT 4	OCT 13	OCT 29	NOV 5
1980-84	MAY 11	MAY 17	MAY 25	JUN 1	JUN 9	SEP 28	OCT 4	OCT 14	OCT 29	NOV 5
Spring Wheat:										
1984	APR 23	APR 26	MAY 3	MAY 12	MAY 19	AUG 5	AUG 12	AUG 16	AUG 21	AUG 26
1983	APR 27	APR 30	MAY 5	MAY 12	MAY 22	AUG 3	AUG 8	AUG 12	AUG 18	AUG 25
1980-84	APR 15	APR 23	APR 30	MAY 7	MAY 18	AUG 2	AUG 9	AUG 16	AUG 23	SEP 2
Oats:										
1984	APR 21	APR 24	APR 29	MAY 10	MAY 17	JUL 29	AUG 2	AUG 9	AUG 15	AUG 19
1983	APR 24	APR 30	MAY 5	MAY 13	MAY 20	JUL 31	AUG 3	AUG 8	AUG 13	AUG 19
1980-84	APR 16	APR 23	APR 29	MAY 7	MAY 15	JUL 28	AUG 2	AUG 8	AUG 15	AUG 23
Barley:										
1984	APR 23	APR 28	MAY 6	MAY 14	MAY 20	JUL 28	AUG 1	AUG 7	AUG 14	AUG 20
1983	APR 27	MAY 2	MAY 6	MAY 15	MAY 24	JUL 28	AUG 2	AUG 7	AUG 12	AUG 17
1980-84	APR 18	APR 25	MAY 2	MAY 11	MAY 24	JUL 27	JUL 31	AUG 6	AUG 14	AUG 23
Flax:										
1984	MAY 10	MAY 15	MAY 22	MAY 30	JUN 8	AUG 17	AUG 27	SEP 1	SEP 12	SEP 23
1983	MAY 14	MAY 21	MAY 29	JUN 6	JUN 14	AUG 14	AUG 22	AUG 29	SEP 28	OCT 22
1980-84	MAY 3	MAY 11	MAY 22	JUN 1	JUN 11	AUG 19	AUG 27	SEP 12	SEP 30	OCT 25
Sunflowers:										
1984	MAY 13	MAY 18	MAY 24	MAY 30	JUN 5	OCT 4	OCT 10	OCT 20	OCT 31	NOV 12
1983	MAY 15	MAY 21	MAY 28	JUN 3	JUN 10	OCT 1	OCT 13	OCT 22	OCT 31	NOV 9
1980-84	MAY 7	MAY 14	MAY 24	JUN 1	JUN 8	SEP 30	OCT 9	OCT 23	NOV 2	NOV 14
Alfalfa Hay: 1/										
1984						JUN 5	JUN 14	JUN 25	JUL 1	JUL 6
1983			NOT APPLICABLE			JUN 7	JUN 12	JUN 21	JUL 1	JUL 13
1980-84						JUN 6	JUN 11	JUN 19	JUN 27	JUL 6
Winter Wheat:										
1984	AUG 29	SEP 3	SEP 10	SEP 18	SEP 25	JUL 24	JUL 27	JUL 31	AUG 5	AUG 10
1983	AUG 25	SEP 1	SEP 8	SEP 18	SEP 26	JUL 26	JUL 30	AUG 3	AUG 7	AUG 12
1980-84	AUG 26	SEP 2	SEP 10	SEP 19	SEP 28	JUL 24	JUL 28	AUG 3	AUG 8	AUG 16
Rye:										
1984	AUG 30	SEP 4	SEP 11	SEP 18	SEP 25	JUL 23	JUL 27	AUG 2	AUG 7	AUG 13
1983	AUG 27	SEP 4	SEP 10	SEP 20	SEP 26	JUL 26	JUL 30	AUG 3	AUG 6	AUG 11
1980-84	AUG 28	SEP 3	SEP 11	SEP 20	SEP 28	JUL 25	JUL 29	AUG 3	AUG 9	AUG 15
Sugarbeets:										
1984	APR 26	MAY 1	MAY 7	MAY 11	MAY 17	SEP 24	OCT 5	OCT 23	OCT 27	NOV 1
1983	APR 26	APR 29	MAY 4	MAY 9	MAY 17	SEP 23	OCT 4	OCT 15	OCT 23	OCT 28
1980-84	APR 18	APR 24	MAY 1	MAY 7	MAY 13	SEP 28	OCT 7	OCT 17	OCT 25	OCT 30

1/ First Cutting.

1984 PADDY WILD RICE STATISTICS

(Information Provided by Minnesota Paddy Wild Rice Research and Promotion Council)

Wild rice, Minnesota's official State Grain, is grown as a field crop on 25,000 acres in northern Minnesota. The leading counties are Aitkin, Clearwater, Beltrami, Itasca and Cass.

Acreage and yields are increasing as production problems are being solved by growers and researchers. Average yield per acre has steadily increased. In 1968, only 900 acres were in production, yielding 36,000 pounds of processed grain. In 1984, 25,000 acres produced over 3,600,000 pounds of processed grain. Average yield per acre at 144 pounds was down slightly from 1983 but represents a 260% gain from the 40 pounds estimated for 1968.

Minnesota continues to rank first in the world in wild rice production.

The value of the 1984 crop was $11.7 million at $3.25 per pound for processed wild rice.

The number of farm operations producing wild rice in 1984 was 65. Average acreage in wild rice production per farm operation increased from 250 acres in 1982 to 385 acres in 1984.

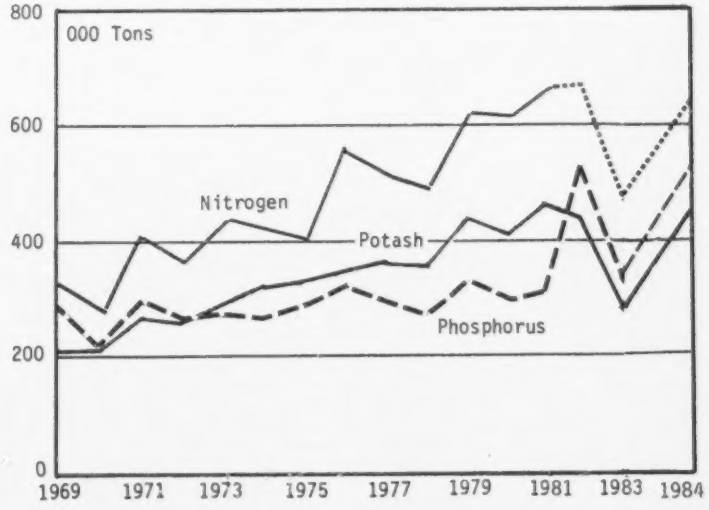
FERTILIZER USAGE

Minnesota consumption of fertilizer rose 39% from 1983 to 1984 as land idled by the PIK program came back into production.

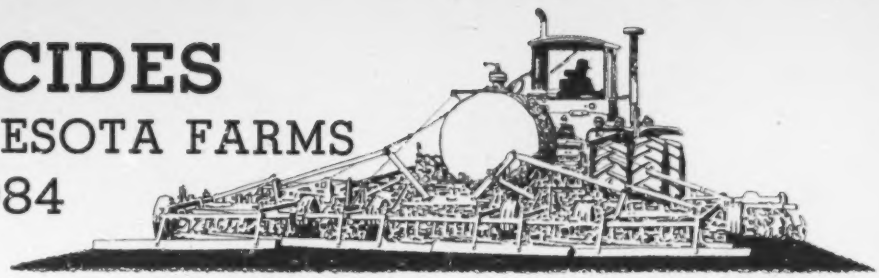
For the year ending June 30, 1984, Minnesota consumption of primary plant nutrients in fertilizer totaled 1.65 million tons versus 1.19 million for the previous year.

Fertilizer consumption represents all commercial fertilizer tonnage sold or shipped for farm and non-farm use as fertilizer.

MINNESOTA'S
USE OF PRIMARY NUTRIENTS AS FERTILIZER



PESTICIDES
USED ON MINNESOTA FARMS IN 1984



Minnesota farmers used pesticides at least once on over 96% of their corn, soybean, and sugarbeet acreage planted for harvest in 1984. An estimated 89% of wheat acreage was treated, followed by sunflowers (88%), flax (80%), and other small grains (60%). Farmers used pesticides on 3% of their pasture land and on 20% of their cropland idled by government programs in 1984.

The **1984 Pesticide Survey** conducted by the Minnesota Agricultural Statistics Service also showed that when multiple applications are added up, herbicides accounted for 9 out of 10 acres treated. Multiple herbicide applications were most common for corn, soybeans, wheat, other small grains, and sugarbeets. Insecticide use was dominated by corn pre-emergence insecticides which accounted for 64% of total treatment for insect pests. Few farmers applied insecticide to a crop more than once. Most sugarbeet acres were treated with multiple applications of fungicides to control diseases. When treated with fungicides, wheat and other small grains usually received 2 applications per acre.

Chemical products reported in 1984 followed patterns similar to other recent years. Straight alachlor was the most commonly used herbicide on corn, accounting for 1 out of every 5 treated acres. Tank mixes of dicamba with 2,4-D were the next most frequently applied on corn, with over 9% of the total. On soybeans, straight Trifluralin was the dominant herbicide, accounting for an estimated one-third of all treated acres, followed by straight Bentazon, with 14%. On small grains, farmers favored straight applications of the older phenoxy herbicides 2,4-D Amine, 2,4-D Ester, and MCPA; these herbicides accounted for 38% of weed treatments on wheat and 51% on other small grains.

ACREAGE TREATED AT LEAST ONCE WITH SOME PESTICIDE IN MINN., 1984

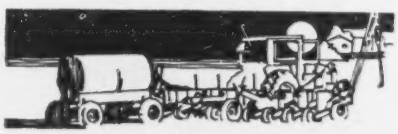
Crop Or Other Land Use	Acreage Planted	Minimum Acreage Treated With Some Pesticide 1/	Percent Of Acreage Treated
	---000 Acres---		Percent
Corn	7,250	6,964	96.1
Soybeans	5,300	5,168	97.5
Wheat	2,635	2,351	89.2
Sunflowers	264	233	88.3
Sugarbeets 2/	266	261	98.1
Flax	50	40	80.0
	Acreage Harvested (000 Acres)		
Other Sm. Grains 3/	2,325	1,391	59.8
Alfalfa Hay	1,900	29	1.5
Other Hay	900	4	.4
	Acreage In Each Use (000 Acres)		
Pasture	----	----	2.6
Cropland Idled by Gov't Programs in 1984 4/	1,120	228	20.4
	Total Acreage (000 Acres)		
Total (excl. Idle & Pasture)	20,890	16,441	78.7
Total (excl. Pasture)	22,010	16,669	75.7

1/ At least this acreage was treated with some pesticide--either herbicides, insecticides, fungicides, or any combination. An acre receiving more than one application is counted only once. 2/ Minimum acreage treated and percent treated based on data published in 1984 SUGARBEET RESEARCH AND EXTENSION REPORTS, Cooperative Extension Service, Fargo, N.D. 3/ Oats, Barley, and Rye. 4/ Includes PIK and set-aside land idle or planted to a cover crop. Acres in this use are from ASCS.

ACREAGE TREATED WITH PESTICIDES BY TYPE OF CONTROL IN MINN., 1984

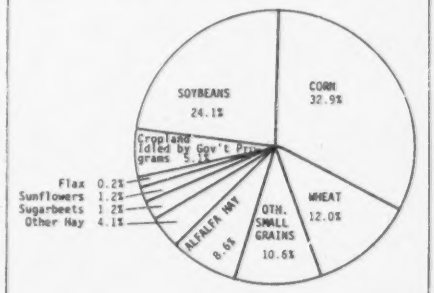
Crop Or Other Land Use	Total Acres Treated 1/ For:		
	Weeds	Insects	Diseases
	----------(000 Acres)-------		
Corn:			
Pre-Emergence	5,964	1,438	--
Post-Emergence 2/	4,197	330	--
Total	10,161	1,768	0
Soybeans	7,000	0	0
Wheat 2/	3,093	205	360
Oth. Small Grains 2/	1,766	70	50
Sunflowers 2/	239	97	0
Sugarbeets 3/	691	101	625
Flax	40	0	0
Alfalfa Hay	11	15	0
Other Hay	4	0	0
Cropland Idled by Gov't Programs	232	0	0
TOTAL	23,237	2,256	1,035

1/ Each pesticide application to an acre is counted as an acre treated and included in this table. 2/ Estimated insect and disease treatment based on survey data supplemented by data provided by Plant Industry Division, Minnesota Department of Agriculture. 3/ Estimated weed, insect, and disease treatments based on data published in 1984 SUGARBEET RESEARCH AND EXTENSION REPORTS, Cooperative Extension Service, Fargo, N.D.

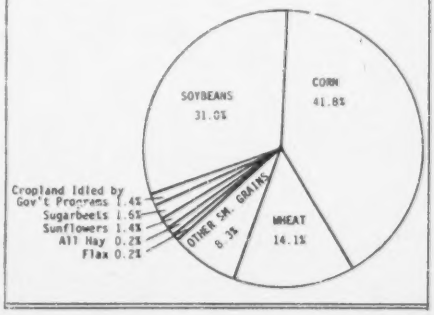


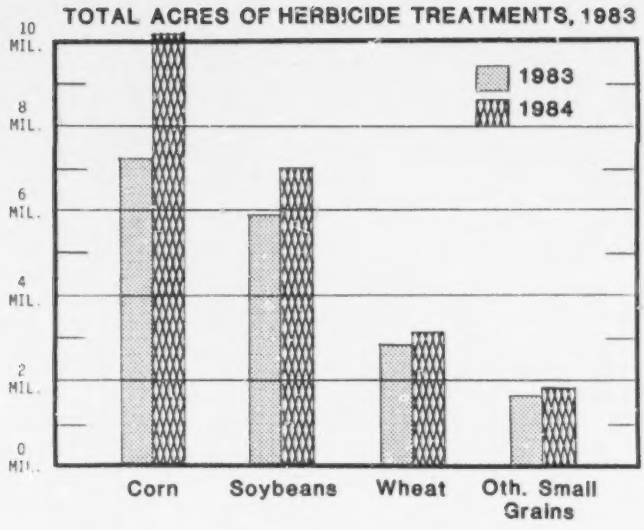
COMPARISONS OF ACREAGES IN EACH LAND USE & ACRES TREATED WITH PESTICIDES

Proportion of Total Acres In Each Land Use (Excl. Pasture)



Proportion of Minimum Acres Treated (Excluding Pasture)





RATE OF APPLICATION AND ACREAGE TREATED WITH MAJOR PESTICIDES, MINNESOTA, 1984

HERBICIDES

Crop Or Other Land Use and Chemicals Used 1/	Average Rate of Application Per Acre 2/			Acreage Treated
	Wettable Powder	Granular	Liquid	
	Pounds	Pounds	Quarts	1,000 Acres
CORN: PRE-EMERGENCE:				
Alachlor (Lasso)	----	10.8	3.3	2,052
Alachlor + Atrazine (Lasso + Aatrex)	--/1.8	----	2.2/1.8	618
Alachlor + Cyanazine (Lasso + Bladex)	--/2.1	----	2.3/1.9	570
Metolachlor (Dual)	----	----	1.3	504
Atrazine (Aatrex)	2.5	----	1.8	422
Propachlor (Ramrod)	----	11.0	----	335
Cyanazine (Bladex)	2.2	----	2.9	279
EPTC and protectant (Eradicane)	----	----	3.2	258
Butylate and protectant (Sutan Plus)	----	----	2.3	188
Metolachlor + Cyanazine (Dual + Bladex)	----	----	1.1/1.7	126
Other Herbicides				615
TOTAL				5,964
CORN: POST-EMERGENCE:				
2,4-D + Dicamba (2,4-D + Banvel)	----	----	0.2/0.2	935
Dicamba (Banvel)	----	----	0.3	682
2,4-D Ester	----	----	0.4	673
2,4-D Amine	----	----	0.5	617
Atrazine (Aatrex)	2.4	----	2.4	418
Cyanazine (Bladex)	2.2	----	2.5	181
Alachlor + Atrazine (Lasso + Aatrex)	--/1.4	----	1.9/2.0	163
Atrazine + Oil (Aatrex + Oil)	1.9	----	1.8	161
Other Herbicides				367
TOTAL				4,197
SOYBEANS:				
Trifluralin (Treflan)	----	----	0.9	2,372
Bentazon (Basagran)	----	----	0.9	952
Alachlor (Lasso)	----	10.7	3.2	531
Chloramben (Amiben)	----	10.2	2.4	504
Trifluralin + Metribuzin (Treflan + Sencor)	--/0.4	----	0.8/0.3	353
Trifluralin + Chloramben (Treflan + Amiben)	----	----	0.9/3.9	230
Ethalfluralin (Sonalan)	----	----	1.3	213
Alachlor + Chloramben (Lasso + Amiben)	----	----	2.3/3.2	169
Alachlor + Metribuzin (Lasso + Sencor)	--/0.5	----	2.2/0.3	146
Metolachlor (Dual)	----	----	1.7	123
Bentazon + Acifluorfen (Basagran + Blazer)	----	----	----	112
Alachlor + Linuron (Lasso + Lorox)	--/1.4	----	2.1/1.3	111
Aciflourfen (Blazer)	----	----	1.0	109
Trifluralin + Metribuzin (Treflan + Lexone)	--/0.4	----	0.9/0.3	99
Other Herbicides				976
TOTAL				7,000

RATE OF APPLICATION AND ACREAGE TREATED WITH MAJOR PESTICIDES, MINNESOTA, 1984 (Cont'd)

HERBICIDES

Crop Or Other Land Use and Chemicals Used 1/	Average Rate of Application Per Acre 2/			Acreage Treated
	Wettable Powder	Granular	Liquid	
	Pounds	Pounds	Quarts	1,000 Acres
WHEAT:				
MCPA	----	----	0.5	636
2,4-D Amine	----	----	0.4	384
Triallate (Far-Go)	----	1[illegible].6	1.0	297
Bronate*	----	----	0.5	293
Diclofop (Hoelon)	----	----	1.4	291
2,4-D Ester	----	----	0.4	165
Triallate + Trifluralin (Far-Go + Treflan)	----	----	1.0/0.5	133
MCPA + Dicamba (MCPA + Banvel)	----	----	0.2/0.2	127
Other Herbicides				767
TOTAL				3,093
OTHER SMALL GRAINS:				
MCPA	----	----	0.4	496
2,4-D Amine	----	----	0.6	320
Triallate (Far-Go)	----	13.5	1.2	173
Bronate*	----	----	0.7	123
Diclofop (Hoelon)	----	----	1.0	89
2,4-D Ester	----	----	0.5	84
Other Herbicides				479
TOTAL				1,766
SUNFLOWERS:				
Trifluralin (Treflan)	----	----	1.1	151
Triallate + Trifluralin (Far-Go + Treflan)	----	----	0.9/1.0	72
Other Herbicides				16
TOTAL				239
SUGARBEETS: 3/				
Betamix*	----	----	----	130
Desmedipham (Betanex)	----	----	----	66
Sethoxydim (Poast)	----	----	----	61
Diallate (Avadex)	----	----	----	59
EPTC + Diallate (Eptam + Avadex)	----	----	----	53
Other Herbicides				322
TOTAL				691
CROPLAND IDLED:				
2,4-D Ester	----	----	0.6	67
Glyphosate (Roundup)	----	----	1.1	41
2,4-D Amine	----	----	0.5	31
Other Herbicides				36
TOTAL				175

INSECTICIDES

CORN: PRE-EMERGENCE				
Terbofos (Counter)	----	7.1	----	472
Fonofos (Dyfonate)	----	5.4	----	321
Carbofuran (Furadan)	----	7.2	----	303
Phorate (Thimet)	----	6.9	----	189
Other Insecticides				153
TOTAL				1,438
SUNFLOWERS:				
Fenvalerate (Pydrin)	----	----	----	44
Other Insecticides				53
TOTAL				97

1/ Common names of the chemicals are listed first, followed by the familiar trade names in parentheses. The inclusion of a product does not imply approval or does exclusion imply disapproval.

2/ For mixtures, the rate of application for the first chemical is listed before the slash under each formulation and the application rate for the second chemical is listed after the slash. For example, the mixture of Treflan and Amiben has application rates of 0.9/3.9 under "liquid" for soybeans. This means the average rate of application for Treflan is .9 quart per acre and the rate for Amiben is 3.9 quarts per acre. Rates of application denote amounts of undiluted material used per acre (including both active ingredients and carrier materials.)

3/ Estimated acreage treated by product based on data published in 1984 SUGARBEET RESEARCH AND EXTENSION REPORTS, Cooperative Extension Service, Fargo, N.D.

*Trade name.

METHOD OF APPLICATION, MINNESOTA, 1984

HERBICIDES

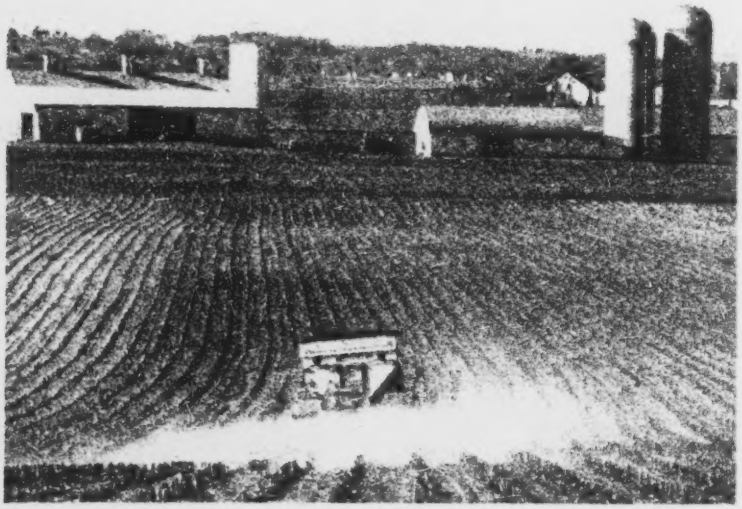
Crop or Other Land Use	Self Applied	Custom Applied	Aerially Applied	Ground Applied	Incorp. Into Soil
	Percent 1/		Percent 2/		
Corn:					
Pre-Emergence	85	15	0	72	28
Post-Emergence	87	13	2	98	0
Soybeans	86	14	2	47	51
Wheat	82	18	12	76	12
Oth. Sm. Grains	80	20	12	81	7
Other 3/	88	12	2	82	16
TOTAL	85	15	3	71	26
INSECTICIDES					
Corn:					
Pre-Emergence	94	6	0	79	21
All Other Uses	41	59	63	32	5
TOTAL	81	19	15	68	17

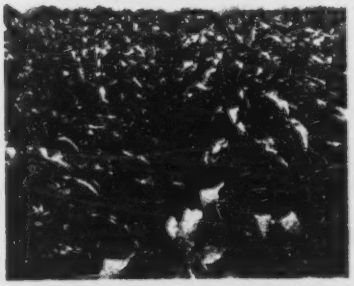
1/ Percent of reported treated acreage.
2/ Percent of reports.
3/ Sunflowers, sugarbeets, flax, alfalfa hay, other hay, and cropland idled by government programs.

PROTECTIVE MEASURES & PESTICIDE USAGE PRACTICES, MINNESOTA, 1984

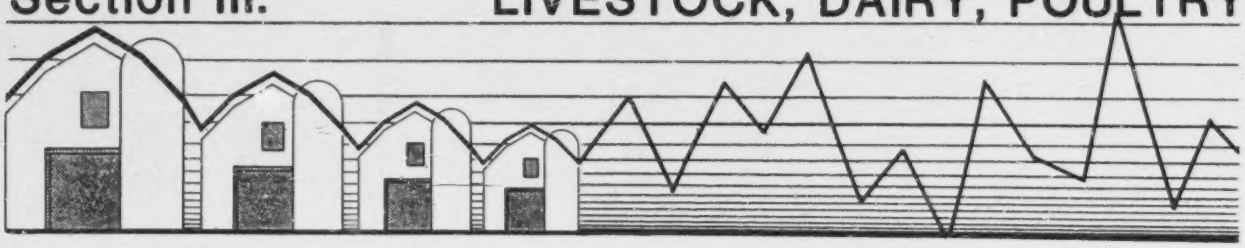
Question	Percent Answering "YES" 1/
1. Did you use any of the following protective clothing or equipment while handling pesticide chemicals in 1984?	
a. Protective cab on tractor	51
b. Respirator	8
c. Goggles	31
d. Rubber gloves	59
e. Rubber boots	16
f. Spray suit	2
2. How did you dispose of the empty chemical containers?	
a. Burned	51
b. Buried on own property	16
c. Buried in sanitary landfill	18
d. Returned to distributor	16
e. Used as containers for oil or fuel	3
f. Reused for other or unspecified purposes	6
g. Recyled or sold for scrap	4
h. Kept; not disposed of yet	21
i. Used own bulk tanks	1
j. Other disposal method	1
3. While handling pesticides during 1984, did you experience any symptoms of pesticide poisoning? 2/	3
4. During 1984, did you use Malathion to protect farm-stored grain from insect damage?	9
5. Did you use any fumigants on your farm-stored grain?	6
6. (If "yes" to 5:) Was the fumigant self-applied	84
7. (If "yes" to 6:) Did you use a full-face, canister gas mask while applying the fumigant?	32

1/ Percents may total more than 100% because of multiple responses. 2/ Of respondents replying "yes", 5 or more reported the following symptoms, listed in order of number reporting: headache, respiratory irritation or trouble breathing, nausea or upset stomach; rash, sores, or itch; dizziness or weakness.





Section III. LIVESTOCK, DAIRY, POULTRY



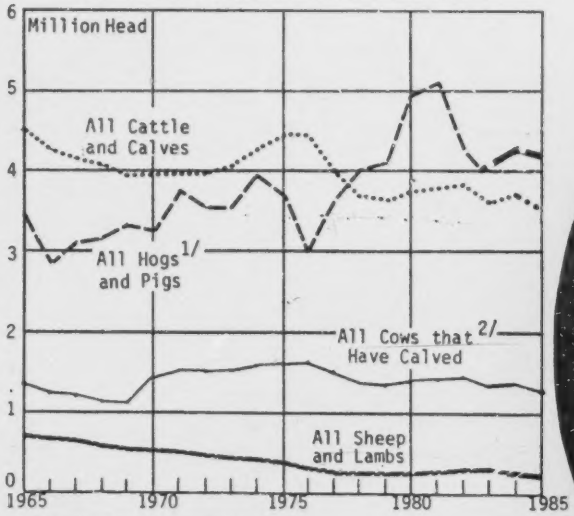
LIVESTOCK

Cattle numbers on Minnesota farms on January 1, 1985 were down 4% from a year earlier while sheep and lamb numbers stayed the same. The inventory of all hogs on December 1, 1984 was down 2% and all chickens on farms decreased 1%.

The combined value of all livestock and poultry on Minnesota farms was $1,996 million, a 1% decrease from last year's $2,011 million. All cattle and calves, valued at $1,633 million, were 5% less than a year ago. The value of hogs on hand December 1, 1984 accounted for $312 million, up 24%; all sheep and lambs, $16.4 million, up 30%; all chickens $26.2 million, up 18%; and turkey breeder hens $8.9 million, down 7%.

The number of operations with cattle declined 3,000 while milk cows and hogs each declined 1,000 and sheep declined 1,400 (see page 3).

LIVESTOCK ON MINNESOTA FARMS, JANUARY 1



1/ December 1 preceding year.

2/ Prior to 1970, "All cows 2 years & older."

MINNESOTA LIVESTOCK AND POULTRY

Class	Number on Farms			Value per Head			Total Farm Value		
	1983	1984	1985	1983	1984	1985	1983	1984	1985
	1,000 Head			Dollars			1,000 Dollars		
All Cattle And Calves, January 1.....	3,610	3,690	3,550	500.00	465.00	460.00	1,805,000	1,715,850	1,633,000
Total Cows That Have Calved.	1,371	1,387	1,310						
Beef Cows.....	481	477	420						
Milk Cows.....	890	910	890						
Total Heifers 500 Pounds+...	686	701	650						
Beef Replacement.....	90	79	64						
Milk Replacement.....	332	346	387						
Other.....	264	276	199						
Steers 500 Pounds+.....	617	641	716						
Bulls 500 Pounds+.....	43	44	43						
Steers, Heifers, Bulls, Under 500 Pounds.....	893	917	831						
All Hogs & Pigs, Dec. 1 1/..	4,000	4,400	4,300	87.50	57.00	72.50	350,000	250,800	311,750
All Sheep & Lambs, Jan. 1 ...	300	255	255	52.00	49.50	64.50	15,600	12,623	16,448
Stock Sheep.....	235	200	185						
Ewes 1 Year+.....	186	160	150						
Ewe Lambs.....	36	28	23						
Wethers & Rams 1 Year+.....	6	6	7						
Wether & Ram Lambs.....	7	6	5						
Sheep & Lambs On Feed.....	65	55	70						
All Chickens, Dec. 1 1/.....	13,300	13,900	13,800	1.65	1.60	1.90	21,945	22,240	26,220
Hens & Pullets of Laying Age.	10,500	10,600	10,050						
Pullets 3 Months Old+, Not of Laying Age.....	1,400	1,600	1,975						
Pullets Under 3 Months.....	1,300	1,650	1,720						
Other Chickens.....	100	50	55						
Turkey Breeder Hens, Dec. 1 1/	523	443	447	15.70	21.60	20.00	8,211	9,569	8,940
TOTAL.....							2,200,756	2,011,082	1,996,358

1/ December 1 preceding year.

CATTLE & CALVES DISPOSITION

Year	Inshipments	Marketings 1/		Farm Slaughter 2/	Deaths	
		Cattle	Calves	Cattle & Calves	Cattle	Calves
	1,000 Head					
1980	762	1705	131	14	52	160
1981	700	1636	129	15	50	160
1982	670	1842	170	15	58	155
1983	650	1529	165	16	65	155
1984	600	1542	210	13	55	150

1/ Excludes interfarm sales.
2/ Excludes custom slaughter for farmers at commercial establishments.

MINNESOTA CATTLE & CALF INVENTORIES, PRODUCTION, AND INCOME

Year	On Farms, January 1			Calves Born	Marketings 1/	Price Per 100 Lbs.		Cash 2/ Receipts	Gross Income 3/
	All Cattle	All Cows That Have Calved	Milk Cows That Have Calved			Cattle	Calves		
	1,000 Head			1,000 Head	1,000 Lbs.	Dollars		1,000 Dols.	1,000 Dols.
1980	3,750	1,420	860	1,350	1,875,220	55.70	78.30	1,049,684	1,071,210
1981	3,800	1,450	880	1,370	1,863,600	50.80	67.40	950,493	970,803
1982	3,880	1,490	905	1,300	2,068,290	48.60	60.30	1,008,875	1,028,997
1983	3,610	1,371	890	1,360	1,747,035	47.60	59.70	835,367	856,373
1984	3,690	1,387	910	1,230	1,769,680	48.60	55.60	863,096	885,255
1985	3,550	1,310	890	---	---	---	---	---	---

1/ Excludes interfarm sales.
2/ Includes receipts from marketings and sales of farm slaughtered meat.
3/ Includes value of home consumption on farms.

MINNESOTA CATTLE AND CALVES ON FEED BY QUARTERS

Year and Quarter	Total Number	Classes			Weight Groups 1/			
		Steers and Steer Calves	Heifers & Heifer Calves	Other	Under 500 Lbs.	500-699 Lbs.	700-899 Lbs.	900 Lbs. and Over
	1,000 Head				1,000 Head			
1980: January 1...	390	253	135	2	48	112	95	133
April 1.....	400	268	132	0	18	149	122	111
July 1.....	365	233	132	0	6	46	170	143
October 1...	310	205	105	0	7	35	103	165
1981: January 1...	370	251	117	2	39	112	99	118
April 1.....	405	267	138	0	22	159	131	93
July 1.....	390	265	125	0	10	55	163	162
October 1...	310	211	96	3	9	33	99	166
1982: January 1...	350	234	112	4	40	106	78	122
April 1.....	415	266	145	4	9	160	149	93
July 1.....	405	255	146	4	8	65	164	164
October 1...	310	205	102	3	9	37	96	165
1983: January 1...	405	263	138	4	35	124	106	136
April 1.....	405	267	134	4	18	120	121	142
July 1.....	355	233	119	3	7	51	144	150
October 1...	240	161	77	2	7	26	83	122
1984: January 1...	375	244	127	4	25	109	104	133
April 1.....	350	228	119	3	15	92	122	118
July 1.....	285	188	94	3	8	45	100	129
October 1...	225	144	79	2	6	35	78	104
1985: January 1...	370	237	129	4	22	110	101	133
April 1.....	355	231	121	3	13	87	126	126

1/ "Other" class not included in "Weight Groups".

MINNESOTA HOGS AND PIGS BY QUARTERS

Year and Quarter	All Hogs and Pigs	For Breeding Purposes	Market Hogs and Pigs			
			Under 60 Lbs.	60-119 Lbs.	120-179 Lbs.	180 Lbs. and Over
	1,000 Head	1,000 Head	1,000 Head			
1980: March.....	4,950	742	1,843	922	862	581
June.....	5,000	775	1,901	1,077	697	550
September...	5,100	740	1,940	1,090	740	590
December....	5,100	816	1,778	1,070	900	536
1981: March.....	4,450	665	1,442	980	780	583
June.....	4,350	650	1,610	906	647	537
September...	4,250	590	1,596	945	625	494
December....	4,300	580	1,470	1,004	707	539
1982: March.....	3,870	530	1,269	875	698	498
June.....	3,780	578	1,304	794	592	512
September...	3,950	573	1,520	888	550	419
December....	4,000	650	1,415	915	672	448
1983: March.....	4,220	599	1,430	920	681	590
June.....	4,470	598	1,607	952	736	577
September...	4,330	533	1,458	923	801	615
December....	4,400	598	1,487	988	757	570
1984: March.....	4,020	539	1,264	870	776	571
June.....	3,870	570	1,390	850	590	470
September...	3,900	500	1,330	885	650	535
December....	4,300	540	1,448	996	771	545
1985: March.....	4,200	521	1,380	890	831	578

MINNESOTA SOWS FARROWED, PIG CROP, AND DISPOSITION

Year	Spring		Fall		Annual Total		Inship-ments	Market-ings 1/	Farm 2/ Slaughter	Deaths	All Hogs On Farms Dec. 1
	Sows Farrowed	Pig Crop	Sows Farrowed	Pig Crop	Sows Farrowed	Pig Crop					
	1,000 Head		1,000 Head		1,000 Head		1,000 Head				
1980	615	4,613	580	4,324	1,195	8,937	226	8,362	51	550	5,100
1981	530	3,978	490	3,623	1,020	7,601	215	8,116	30	470	4,300
1982	450	3,345	475	3,588	925	6,933	217	7,030	20	400	4,000
1983	510	3,964	470	3,595	980	7,559	176	6,930	15	390	4,400
1984	435	3,357	445	3,450	880	6,807	239	6,721	15	410	4,300

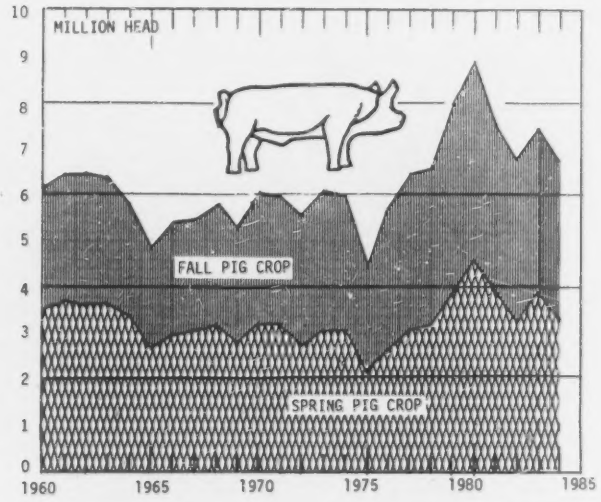
1/ Excludes interfarm sales.
2/ Excludes custom slaughter for farmers at commercial establishments.

MINNESOTA HOG PRODUCTION AND INCOME

Year	Production 1/	Marketings 2/	Price Per 100 Lbs.	Cash Receipts 3/	Gross Income 4/
	1,000 Pounds		Dollars	1,000 Dollars	
1980	1,935,160	1,896,476	38.30	732,690	741,363
1981	1,694,340	1,798,028	43.60	792,788	801,241
1982	1,539,700	1,582,145	52.60	844,522	851,591
1983	1,626,788	1,564,300	46.90	741,410	747,151
1984	1,488,512	1,510,990	47.50	726,857	733,490

1/ Adjustments made for number shipped in and changes in inventory.
2/ Excludes interfarm sales.
3/ Includes receipts from marketings and sales of farm slaughtered meats.
4/ Includes value of home consumption on farms.

TOTAL MINNESOTA PIG CROP 1/



1/ Fall pig crop is for June through November. Spring pig crop is for December of the previous year through May current year.

MINNESOTA MINK PRODUCTION

Year	Number of Mink Farms	Pelts Produced	Females Bred 1/
1980	158	443,100	137,300
1981 2/	N/A	N/A	N/A
1982	144	542,300	143,600
1983	148	553,800	142,100
1984 3/			

1/ Females bred to produce kits the following year.
2/ No survey was done for 1981 because of budget cuts.
3/ 1984 not available at time of publication.

MINNESOTA SHEEP AND LAMBS

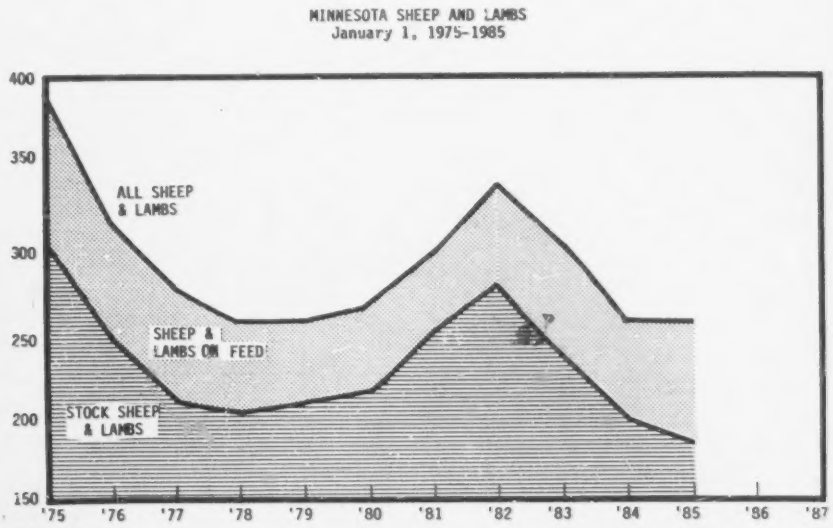
Year	On Farms, January 1			Lambs Saved	Marketings 1/	Cash Receipts 2/	Gross Income 3/
	Total All Sheep and Lambs	On Feed For Market	Stock (Breeding) Sheep				
	1,000 Head			1,000 Head		1,000 Dollars	
1980	264	47	217	205	194	11,365	11,580
1981	295	45	250	245	223	11,156	11,434
1982	335	60	275	245	305	14,716	15,126
1983	300	65	235	235	299	15,480	15,654
1984	255	55	200	225	244	14,448	14,696
1985	255	70	185	---	---	------	------

1/ Excludes interfarm sales.
2/ Includes receipts from marketings and sales of farm slaughtered meat.
3/ Includes value of home consumption on farms.

MINNESOTA WOOL

Year	Sheep Shorn 1/	Weight Per Fleece	Production Total	Annual Average Price Per Pound 2/	Value
	1,000 Head	Pounds	1,000 Pounds	Cents	1,000 Dollars
1980	275	7.2	1,990	73	1,453
1981	308	7.3	2,242	70	1,569
1982	310	7.3	2,264	48	1,087
1983	305	6.9	2,110	39	823
1984	280	6.9	1,925	54	1,040

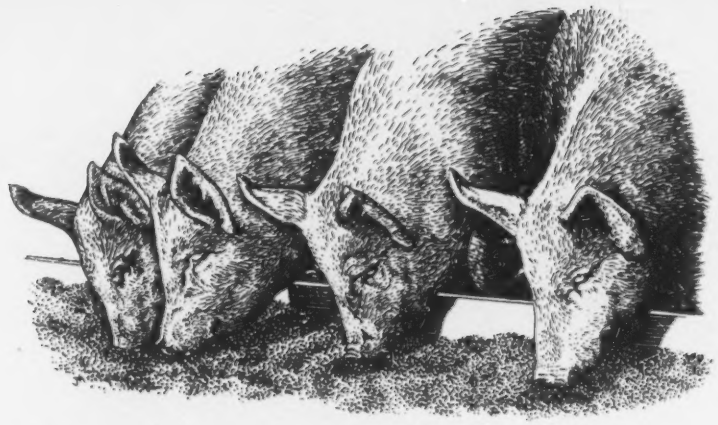
1/ Includes sheep shorn at commercial feeding yards.
2/ Average local market price for wool sold; does not include incentive payments.



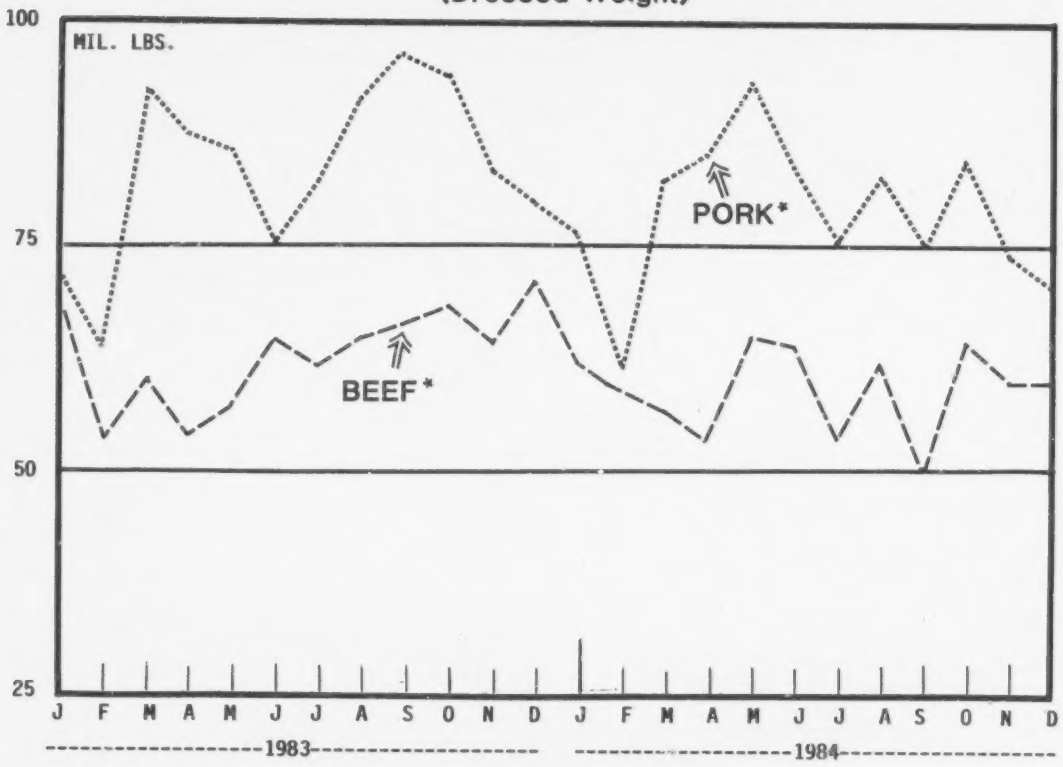
MINNESOTA COMMERCIAL LIVESTOCK SLAUGHTER

Month	CATTLE						CALVES					
	Number Slaughtered		Liveweight Average Weight		Liveweight Total Weight		Number Slaughtered		Liveweight Average Weight		Liveweight Total Weight	
	1983	1984	1983	1984	1983	1984	1983	1984	1983	1984	1983	1984
	1,000 Head		Pounds		1,000 Head		1,000 Head		Pounds		1,000 Pounds	
January.....	107.2	96.0	1,123	1,111	120,395	106,634	0.4	0.4	210	221	86	84
February....	82.0	92.3	1,154	1,130	94,595	104,317	0.5	0.4	202	207	92	87
March.....	88.5	86.4	1,161	1,145	102,745	98,957	0.5	0.4	200	213	91	95
April.....	80.1	83.4	1,163	1,154	93,203	96,227	0.4	0.3	221	232	94	76
May.....	85.4	98.6	1,155	1,142	98,656	112,675	0.4	0.4	216	214	79	91
June.....	100.2	97.0	1,148	1,142	115,048	110,835	0.3	0.3	230	229	67	78
July.....	93.4	84.5	1,142	1,132	106,680	95,727	0.4	0.3	211	237	74	73
August.....	102.3	91.9	1,119	1,118	114,557	102,713	0.3	0.3	208	223	67	75
September...	103.9	79.4	1,117	1,128	116,015	89,643	0.4	0.3	195	235	80	70
October.....	107.6	97.1	1,126	1,145	121,124	111,196	0.4	0.4	191	198	85	78
November....	101.4	89.5	1,133	1,138	114,915	101,873	0.5	0.3	194	250	97	85
December....	112.7	89.3	1,118	1,143	125,977	102,085	0.5	0.4	198	217	100	81
ANNUAL TOTAL.....	1,164.8	1,085.6	1,137	1,136	1,323,910	1,232,881	4.9	4.4	205	222	1,012	973
	HOGS						SHEEP AND LAMBS					
January.....	425.7	444.1	242	241	102,891	107,164	51.1	42.0	114	116	5,819	4,859
February....	383.2	365.9	238	241	91,370	88,232	41.6	40.6	116	117	4,822	4,753
March.....	534.4	479.5	239	241	127,565	115,531	48.6	42.2	117	121	5,667	5,095
April.....	493.4	497.2	242	240	119,173	119,534	34.5	38.7	120	121	4,155	4,666
May.....	477.7	526.8	243	243	116,214	128,085	36.4	36.0	115	115	4,183	4,154
June.....	436.2	483.6	243	245	105,883	118,463	7.6	34.1	114	112	867	3,813
July.....	476.4	438.9	242	242	115,203	106,389	34.8	38.4	107	111	3,733	4,268
August.....	532.5	490.7	239	241	127,157	118,430	47.7	40.1	107	110	5,081	4,426
September...	568.2	445.1	237	240	134,582	106,635	49.0	38.6	108	112	5,297	4,322
October.....	545.9	496.5	241	242	131,468	120,127	44.9	45.2	108	113	4,866	5,116
November....	470.9	425.5	247	244	116,246	103,948	38.9	37.6	110	115	4,279	4,332
December....	448.8	412.2	247	244	110,913	100,704	41.2	33.6	111	119	4,588	3,990
ANNUAL TOTAL.....	5,793.5	5,506.0	241	242	1,398,665	1,333,241	476.3	467.1	112	115	53,357	53,796

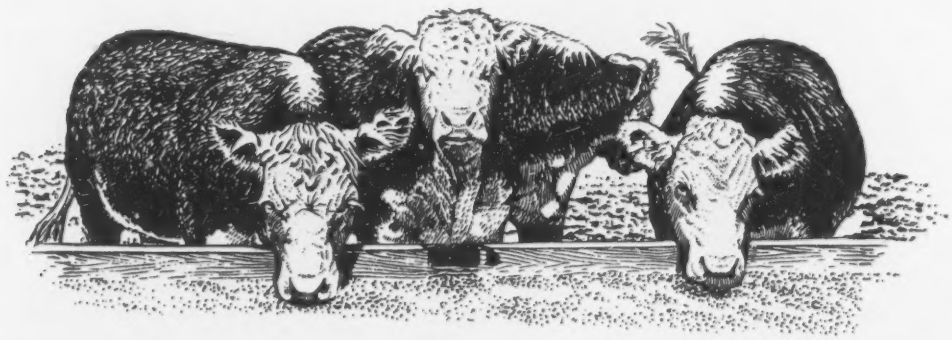
Note: Totals may not add due to rounding.



MINNESOTA'S BEEF AND PORK PRODUCTION
(Dressed Weight)



*Total dressed weight of cattle and hogs commercially slaughtered.



DAIRY

Minnesota's milk production totaled 10.3 billion pounds in 1984, 5% lower than 1983. The state's share of national production in 1984 was 8%. The 12-month average number of milk cows was 887 versus 899 in 1983.

The average milk per cow was 11,647 in 1984, down 492 pounds from 1983.

The count of plant patrons selling milk or cream in June 1984 totaled 23,247. This compares with the revised totals of 24,776 for June 1983 and 27,491 for June 1982. For 85 years, from 1850 to 1935, the state added approximately 2,000 farms with milk cows each year. During the following 45 years (1935-1980), the number of dairy farms decreased at a rate of 3,500 farms per year. The decrease has been interrupted with more level counts quoted in this review for 1980-84.

MINNESOTA MILK PRODUCTION, DISPOSITION, AND INCOME

Year	Total Milk Produced	Disposition of Milk Produced			Cash Receipts	Gross Producer Income
		Used on Farm Where Produced		Sale of Wholesale Milk		
		Fed to Calves	Consumed in Farm Household			
	Mil.Lbs.	Million Pounds			1,000 Dollars	1,000 Dollars
1980	9,535	47	23	9,465	1,173,660	1,176,512
1981	10,061	50	21	9,990	1,306,692	1,309,439
1982	10,341	50	21	10,270	1,333,046	1,335,772
1983	10,913	56	22	10,835	1,402,049	1,404,896
1984	10,331	244	22	10,065	1,290,333	1,293,153

MINNESOTA MANUFACTURED DAIRY PRODUCTS

Year	Butter	All Cheese	American Cheese	Non-Fat Dry Milk Solids	Dry Whey & Whey Fraction Solids	Ice Cream	Ice Milk	Milk Sherbet
	1,000 Pounds					1,000 Gallons		
1980	162,911	512,361	453,459	171,643	271,185	32,888	5,310	1,578
1981	176,122	558,004	490,734	186,069	276,596	33,772	5,263	1,629
1982	179,226	567,430	501,619	188,193	291,547	35,137	6,065	1,567
1983	177,574	587,544	529,203	204,223	293,972	37,422	6,245	1,873
1984	148,681	560,858	494,964	159,685	309,721	37,342	8,590	1,727

MINNESOTA MONTHLY DAIRY PRODUCTION

MILK COWS ON FARMS, EXCLUDES HEIFERS THAT HAVE NOT CALVED
(Thousands)

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1980	855	850	850	850	855	855	860	865	870	875	880	880	862
1981	880	880	880	880	880	880	880	885	890	895	900	905	886
1982 1/	910	910	910	910	910	910	900	900	900	890	890	890	903
1983	890	891	892	894	896	898	900	902	904	906	908	910	899
1984	900	895	895	885	885	885	880	880	880	880	885	890	887

MILK PRODUCTION ON FARMS
(Million Pounds)

1980	774	765	859	859	906	889	808	753	709	713	708	792	9,535
1981	840	814	955	933	968	942	836	774	730	725	725	819	10,061
1982 1/	883	842	960	950	997	965	860	789	745	775	755	820	10,341
1983	926	882	1,004	997	1,039	1,006	923	848	786	811	808	883	10,913
1984	918	882	962	947	974	920	845	779	744	766	757	837	10,331

PERCENTAGE OF FAT IN MILK SOLD BY FARMERS TO DAIRY PLANTS
(Percent)

1980	3.71	3.68	3.69	3.64	3.57	3.51	3.48	3.50	3.63	3.75	3.77	3.75	3.64
1981	3.70	3.66	3.62	3.60	3.57	3.53	3.51	3.53	3.62	3.75	3.74	3.73	3.63
1982	3.73	3.68	3.66	3.65	3.60	3.55	3.51	3.50	3.64	3.75	3.75	3.72	3.65
1983	3.70	3.67	3.64	3.64	3.60	3.52	3.47	3.44	3.58	3.74	3.79	3.80	3.63
1984	3.75	3.68	3.69	3.64	3.60	3.53	3.51	3.50	3.64	3.71	3.77	3.75	3.65

BUTTER MANUFACTURED
(Million Pounds)

1980	12.6	13.4	14.7	15.2	15.1	13.8	13.0	13.9	12.9	12.2	12.2	13.9	162.9
1981	14.5	13.6	15.8	15.8	16.4	15.1	13.5	14.4	13.5	13.9	14.2	15.4	176.1
1982 1/	15.8	14.8	16.7	16.4	16.8	16.2	14.7	13.6	13.5	13.2	13.3	14.4	179.2
1983	15.6	14.5	16.6	16.4	16.8	15.9	13.6	13.5	13.0	13.5	13.7	14.4	177.6
1984	14.6	13.5	14.1	13.6	13.8	12.6	12.4	10.6	10.5	11.2	10.2	11.6	148.7

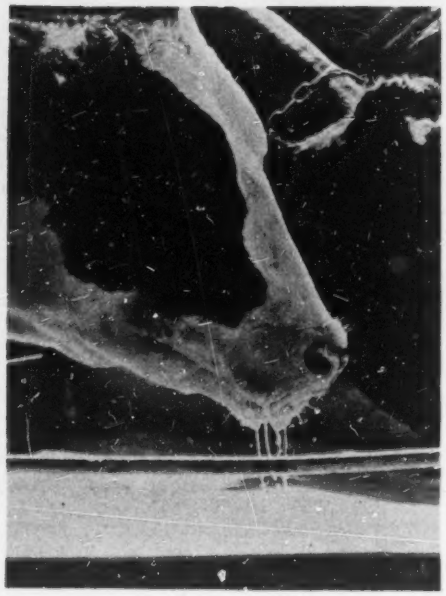
AMERICAN CHEESE MANUFACTURED
(Million Pounds)

1980	38.8	37.9	39.3	38.6	41.3	40.4	36.1	33.5	32.5	37.2	36.1	41.7	453.5
1981	44.5	41.4	46.7	45.0	47.1	44.4	38.3	33.9	33.1	37.5	36.8	42.1	490.7
1982 1/	43.6	40.6	45.6	44.4	45.5	44.7	41.5	35.0	37.4	40.9	39.5	43.0	501.6
1983	45.3	43.1	49.0	48.1	50.5	48.3	44.3	38.0	36.3	41.4	40.6	44.3	529.2
1984	44.3	41.3	46.8	46.3	48.7	42.9	35.7	35.1	34.9	37.5	38.5	43.0	495.0

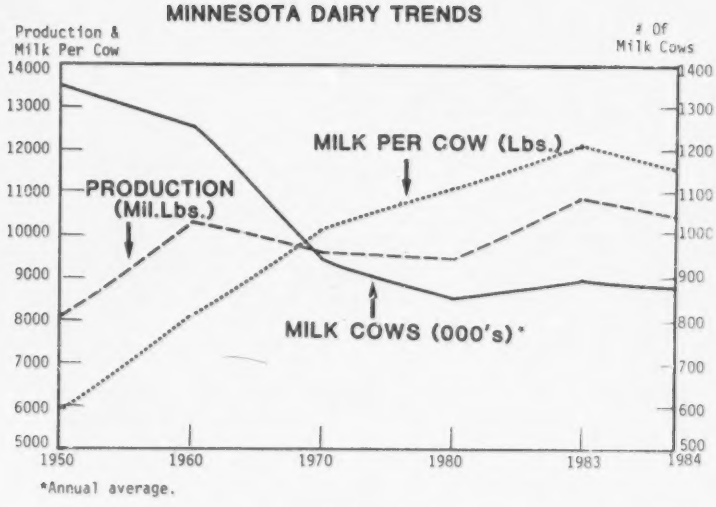
1/ Monthly totals in 1982 derived, consistent with previously published quarterly estimates.

A GRAPHIC GUIDE

TO DAIRY PRODUCTION

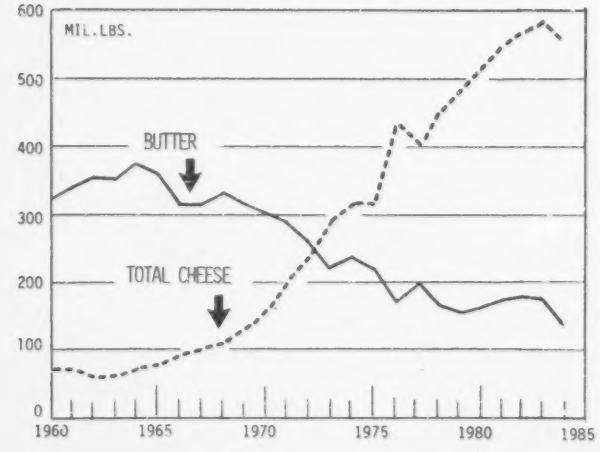


MINNESOTA DAIRY TRENDS

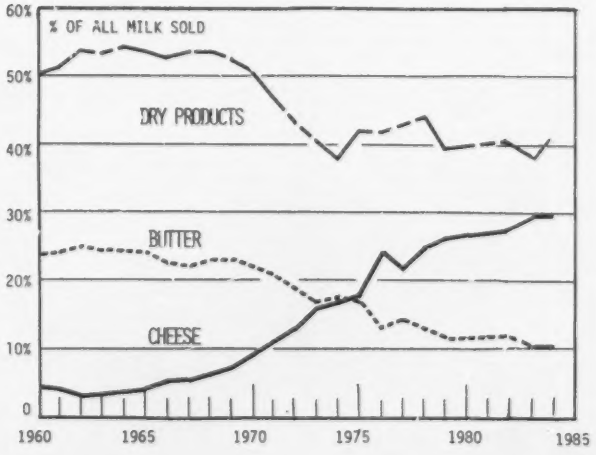


*Annual average.

Minnesota Production of Butter & Total Cheese



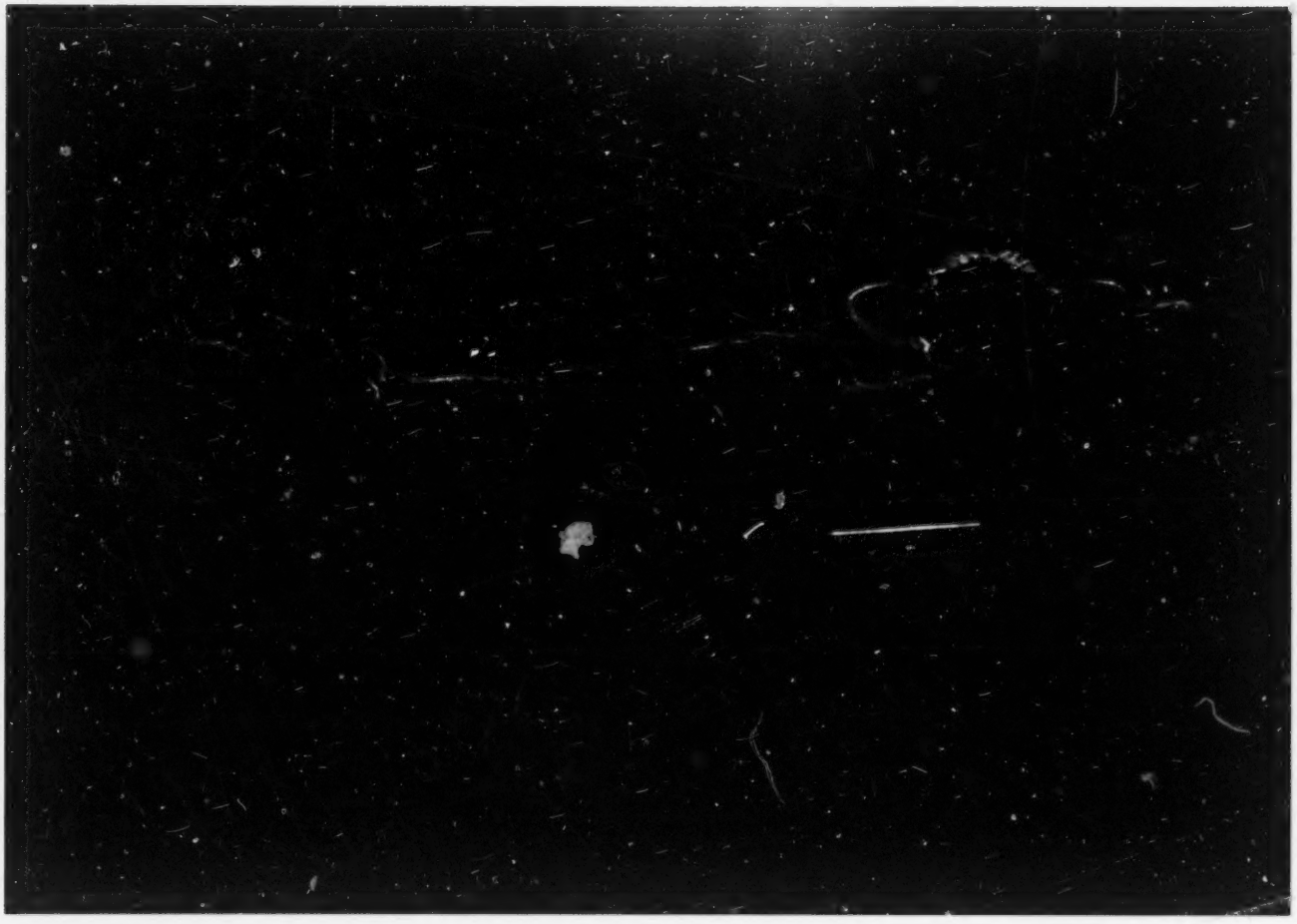
Minnesota Utilization of Milk Sold (Fat & Nonfat Solids Equiv.)



(Continued on page 67)

MINNESOTA

Agriculture



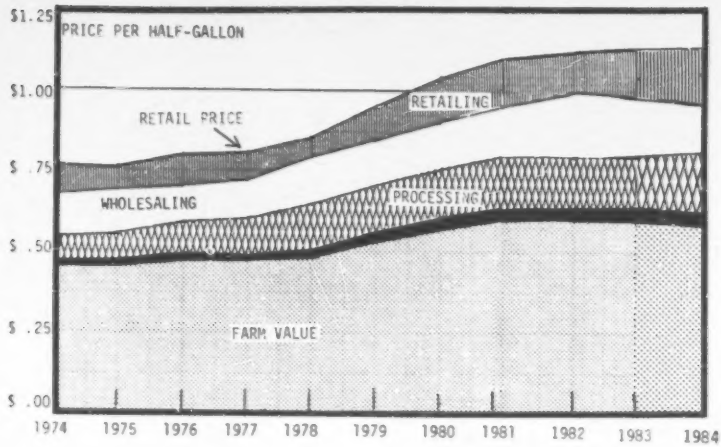
BEEF CATTLE HEIFERS, NORTHFIELD, MINNESOTA
Photo by Paul Hansen,
Minn. Dept. of Agriculture

MINNESOTA

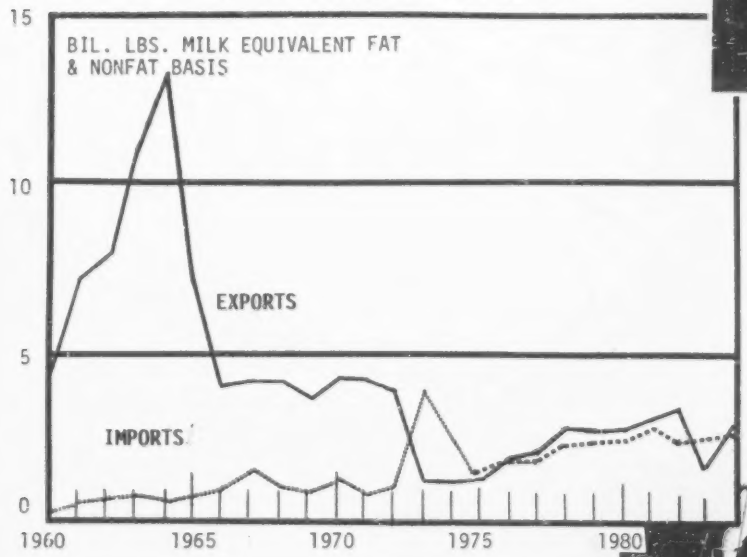
Agriculture

NEW LIFE ON A CENTRAL MINNESOTA DAIRY FARM
Photo by Paul Hansen,
Minn. Dept. of Agriculture

Here's What Happens To The Money You Spend On Fluid Milk



U.S. Dairy Imports & Exports



POULTRY

Even though our growers increased their production 6% over 1983 to a record 28.5 million turkeys, Minnesota still remained second in the nation in turkey production for 1984. North Carolina remained first in numbers raised with 30.4 million. On December 1, 1984, growers had 447,000 breeder hens on hand, up 1% from the previous year. Value of production from turkeys raised in Minnesota in 1984 was $229.8 million, up 45% from 1983. The average price received for turkeys in 1984 was 46.0 cents per pound liveweight, up 12 cents from the previous year.

During 1984, hatcheries in the West North Central Region (includes the states of Iowa, Kansas, Missouri, Nebraska, North Dakota, South Dakota, and Minnesota) placed 60.4 million turkey poults.

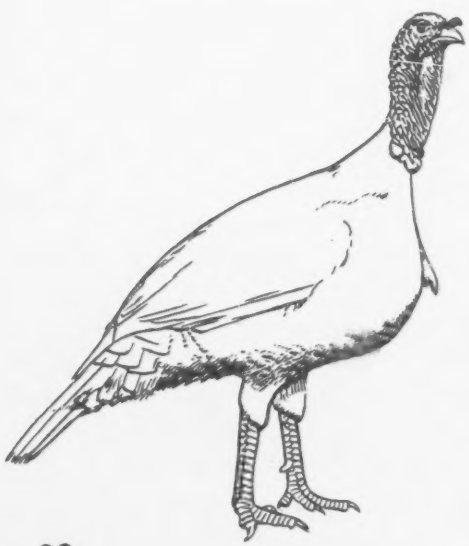
The state's egg production in 1984 was 2,443 million eggs, a decrease of 3% from 1983. The average number of layers on farms decreased 2% to 10.1 million. Cash receipts from eggs increased 21% in 1984 to $123.6 million as all egg prices rose 24% to 61.0 cents per dozen.

The total chicken inventory (excluding broilers) on December 1, 1984 decreased 1% to 13.8 million. The number of chickens raised (excluding broilers) was 10.1 million in 1984. Cash receipts from all chickens were $4.3 million as price per pound increased 39% to 12.5 cents.

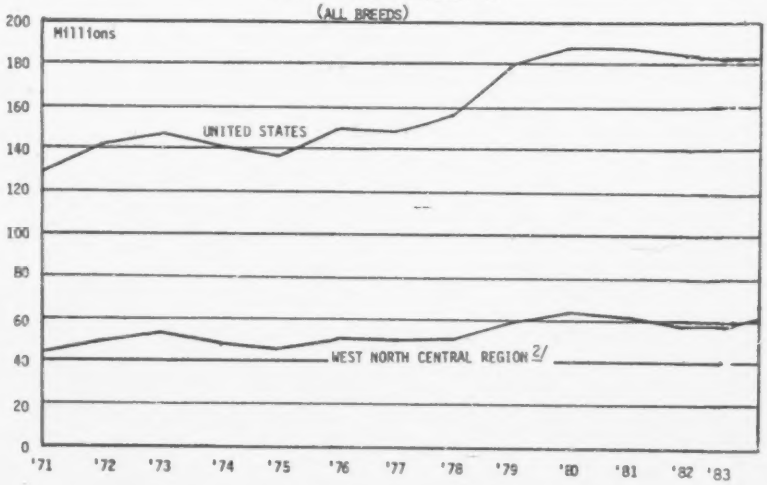
In 1984, the number of broilers raised increased 5% to 25.6 million, a record production. A 27% increase in gross income was the result of the increase in pounds produced and price per pound.

Hatchery production of egg-type chicks increased 22% to 16.8 million in 1984.

These poultry estimates are based on survey data obtained from producers, hatcheries, and processing plants.



TURKEY POULTS HATCHED 1/
(ALL BREEDS)



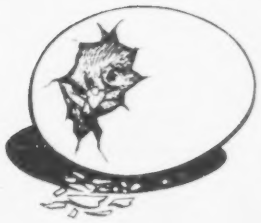
1/ Starting in 1983, the number represents total placements, not total hatch. Placed number should not be used to measure change from previous years.

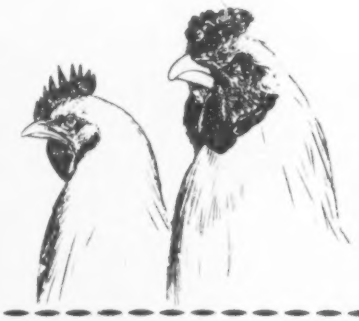
2/ Includes the states of Iowa, Kansas, Missouri, Nebraska, North Dakota, South Dakota, and Minnesota.

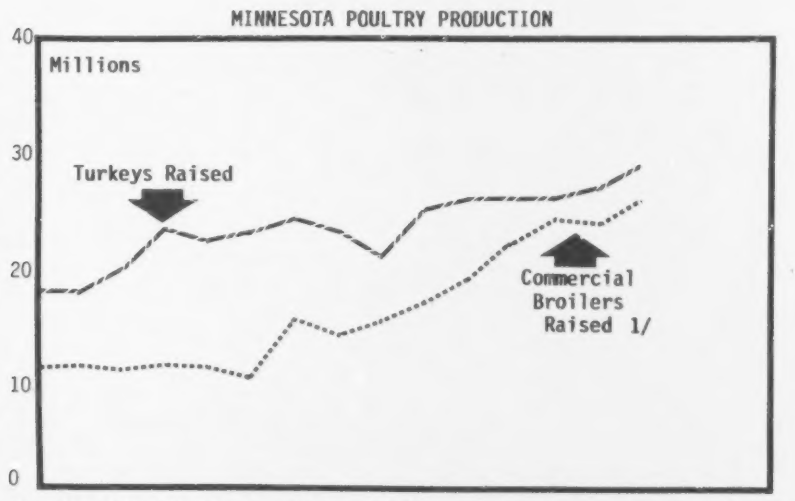
MINNESOTA POULTRY

Year	Chickens On Farms Dec. 1		Number Raised 1/		Eggs Produced 1/	Egg-type Chicks Hatched	Turkey Breeder Hens On Farms Dec. 1 2/	Turkeys Raised	Cash Receipts From Farm Sales		Gross Income From Turkeys
	All	Hens & Pullets of Laying Age	Chickens	Commercial Broilers					Chickens Including Broilers	Eggs	
	Thousands		Thousands		Millions	Thousands			1,000 Dols.		1,000 Dols.
1980	13,000	10,000	9,435	19,400	2,223	23,116	625	25,500	27,652	82,579	167,790
1981	13,600	10,600	8,700	21,500	2,355	14,773	567	25,700	32,268	101,400	152,658
1982	13,300	10,500	10,500	23,700	2,432	17,116	523	26,000	29,333	99,701	172,887
1983	13,900	10,600	10,050	24,400	2,508	13,843	443	27,000	33,710	101,879	158,263
1984	13,800	10,050	10,100	25,600	2,443	16,827	447	28,500	43,392	123,627	229,818

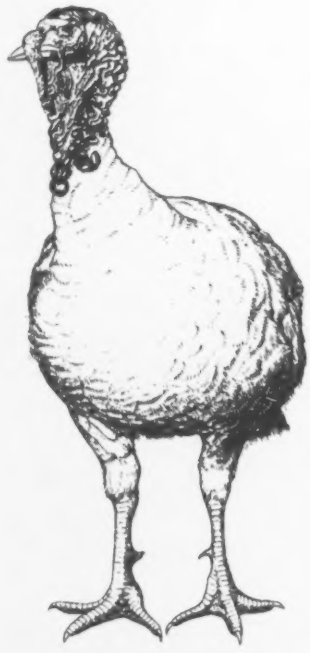
1/ December previous year to November current year.
2/ Breeder hen inventories reflect the number producing eggs during the following season.







1/ December previous year to November current year.



MINNESOTA MONTHLY POULTRY PRODUCTION

CHICKENS: LAYERS ON FARMS
(Millions)

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual 1/
1980	8.8	8.9	9.0	9.1	9.1	9.1	9.2	9.3	9.4	9.6	9.8	9.8	9.2
1981	9.6	9.6	9.6	9.7	9.7	9.7	9.8	9.9	10.1	10.3	10.5	10.6	9.9
1982 2/		10.5			9.9			9.9			10.3		10.1
1983	10.4	10.4	10.5	10.4	10.3	10.4	10.2	9.9	9.8	9.8	10.2	10.6	10.2
1984	10.4	10.3	10.3	10.0	9.9	9.9	9.8	9.8	9.8	9.9	10.0	10.1	10.1

EGGS: AVERAGE NUMBER LAID PER LAYER PER MONTH

1980	20.9	19.1	20.6	20.0	20.4	19.6	20.0	20.3	19.9	20.3	20.0	21.2	242
1981	20.7	18.2	20.6	19.8	20.4	19.9	20.6	20.7	18.0	18.7	20.2	20.7	239
1982 3/		59.1			59.8			60.3			61.0		240
1983	21.1	19.1	21.0	20.0	20.0	19.8	21.2	21.2	20.2	20.5	20.1	21.1	245
1984	20.9	19.1	20.7	20.0	20.1	19.4	20.2	20.4	20.0	20.6	20.2	21.2	243

EGGS: PRODUCTION ON FARMS 4/
(Million Eggs)

1980	184	170	185	181	186	178	183	188	187	194	196	208	2,223
1981	199	174	198	191	198	193	202	205	182	193	212	219	2,355
1982 5/		618			592			597			625		2,432
1983	218	198	220	208	207	206	217	210	198	201	206	223	2,508
1984	217	197	213	201	200	192	198	200	196	204	202	213	2,443

CHICKENS: HATCHERY PRODUCTION 6/
(Thousands)

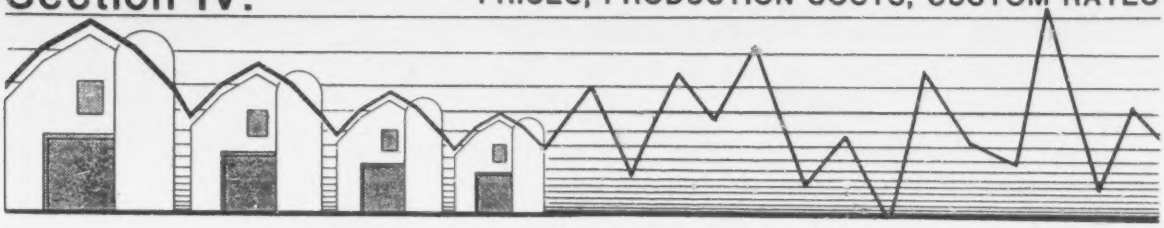
Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1980	1,488	2,521	2,085	2,644	2,593	2,155	2,122	1,986	1,451	1,402	1,177	1,492	23,116
1981	1,156	1,100	1,145	1,769	1,766	1,910	974	916	759	919	1,017	1,342	14,773
1982	1,060	1,316	1,301	1,812	1,705	1,545	1,729	1,264	1,159	1,302	1,565	1,358	17,116
1983	880	996	1,054	1,335	1,498	1,409	1,026	1,366	1,165	907	1,007	1,200	13,843
1984	1,459	1,447	1,446	1,848	1,859	1,645	1,613	1,454	1,298	648	1,117	993	16,827

TURKEYS: HATCHERY PRODUCTION OF POULTS 7/
(Thousands)

1980	5,163	5,993	6,923	7,678	8,163	7,546	6,168	3,717	2,354	2,995	3,135	3,693	63,528
1981	4,927	5,702	6,565	7,352	8,279	7,751	6,019	3,389	1,807	2,459	2,740	3,330	60,320
1982	3,525	4,749	6,144	7,713	7,197	7,487	7,208	4,289	1,839	2,499	2,879	3,276	58,805
1983 8/	3,653	4,658	6,818	7,216	7,487	7,630	6,455	3,524	1,814	2,755	2,748	2,977	57,735
1984	3,937	4,867	6,615	6,977	7,892	7,490	7,004	4,086	2,176	2,708	3,360	3,305	60,417

1/ Annual data represents December previous year to November current year.
2/ Average number of layers during the quarters: Dec. 1982-Feb. 1983; March-May 1983; June-Aug. 1983; and Sept.-Nov. 1983
3/ Average number laid per layer per quarter.
4/ Based on unrounded number of layers and eggs per layer.
5/ Egg production for the quarter.
6/ Data represents only egg-type hatch. Broiler-type hatch has not been published since 1982 to avoid disclosure of individual operations.
7/ Totals are for West North Central Region which includes Iowa, Kansas, Minnesota, Missouri, Nebraska, North Dakota, and South Dakota. Heavy and light breeds have not been published separately since 1981 to avoid disclosure of individual operations.
8/ Prior to 1983, data represents total hatch. Starting in 1983, data represents total placements excluding exported poults.

Section IV. PRICES, PRODUCTION COSTS, CUSTOM RATES



The primary sources of the crop prices listed in the following tables are elevators and dealers which buy directly from farmers. The marketing year for different crops can be found in the footnotes following the tables.

Monthly prices for most commodities held steady or rose slightly early in 1984, reaching a peak in June. The next few months saw a rapid decline to levels well below the previous year. Most prices reached a seasonal low in December, 1984. Preliminary season average prices for leading cash crops produced in 1984 were down from recent years: prices received for corn were the lowest since the 1981 crop was marketed; for wheat, the lowest since 1978; for soybeans, the lowest since 1975.

MINNESOTA MONTHLY PRICES RECEIVED BY FARMERS FOR CROPS

CORN 1/
(Dollars Per Bushel)

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Season Average Price
1980	2.04	2.04	2.06	2.13	2.21	2.29	2.47	2.68	2.74	2.77	2.86	2.99	2.85
1981	3.04	2.96	3.04	3.09	3.08	3.03	2.98	2.68	2.41	2.24	2.19	2.15	2.33
1982	2.24	2.22	2.26	2.38	2.38	2.42	2.33	2.09	2.00	1.87	1.99	2.07	2.63
1983	2.12	2.34	2.54	2.73	2.84	2.85	2.93	3.14	3.19	2.99	2.99	2.97	3.05
1984	2.97	2.92	3.06	3.15	3.18	3.23	3.18	3.03	2.90	2.54	2.42	2.39	2.50 4/

SOYBEANS 2/
(Dollars Per Bushel)

1980	5.87	5.83	5.41	5.41	5.53	5.80	6.46	6.95	7.24	7.33	8.05	7.44	7.23
1981	7.56	6.94	7.31	7.70	7.38	7.00	7.04	6.59	6.10	5.86	5.91	5.76	5.77
1982	5.79	5.67	5.73	5.99	6.12	5.98	5.80	5.45	5.13	5.13	5.12	5.18	5.81
1983	5.28	5.45	5.65	5.89	5.94	5.79	6.18	7.42	8.05	7.85	7.75	7.52	7.64
1984	7.80	7.04	7.24	7.74	7.94	7.95	6.98	6.40	5.92	5.90	5.89	5.63	5.65 4/

ALL SUNFLOWERS 2/
(Dollars Per Cwt.)

1980	8.81	8.34	7.85	7.86	8.19	8.52	10.00	10.60	10.30	10.50	10.90	11.30	11.10
1981	11.00	10.80	10.70	11.20	12.10	12.00	11.20	11.80	10.70	10.60	10.70	11.40	11.00
1982	10.90	11.50	11.20	11.90	11.90	11.70	9.50	9.90	10.20	8.60	8.70	8.30	9.38
1983	8.10	8.30	8.50	9.40	9.10	9.50	9.50	13.10	14.10	13.50	14.20	13.80	14.00
1984	13.60	12.90	14.50	15.60	17.10	17.90	18.00	5/	12.80	11.50	11.20	10.70	11.30 4/

ALL WHEAT 3/
(Dollars Per Bushel)

1980	3.60	3.60	3.60	3.82	3.84	3.89	4.17	4.07	3.95	4.08	4.31	4.24	4.04
1981	4.28	4.38	4.25	4.25	4.20	4.07	3.97	3.76	3.79	3.84	3.80	3.76	3.72
1982	3.75	3.72	3.70	3.76	3.75	3.67	3.65	3.49	3.46	3.47	3.55	3.42	3.75
1983	3.41	3.41	3.63	3.81	3.91	3.91	3.94	3.83	3.79	3.82	3.83	3.80	3.82
1984	3.76	3.72	3.78	3.86	3.92	3.96	3.54	3.58	3.38	3.32	3.43	3.29	3.43 4/

OATS 3/
(Dollars Per Bushel)

1980	1.33	1.24	1.24	1.35	1.38	1.40	1.45	1.39	1.57	1.67	1.82	1.83	1.70
1981	1.92	2.00	2.04	2.01	1.94	1.92	1.78	1.65	1.71	1.80	1.92	1.90	1.82
1982	1.97	1.97	1.94	1.98	1.89	1.86	1.61	1.25	1.23	1.20	1.30	1.41	1.36
1983	1.42	1.40	1.41	1.45	1.46	1.41	1.38	1.39	1.50	1.69	1.63	1.66	1.57
1984	1.72	1.68	1.69	1.70	1.74	1.71	1.59	1.55	1.54	1.55	1.68	1.74	1.60 4/

1/ Marketing year, October through September. 2/ Marketing year, September through August.
3/ Marketing year, July through June. 4/ Preliminary 1984.
NOTE: Season average price includes allowance for loans outstanding and purchases by the government valued at the average loan and purchase rate. Monthly prices do not include this allowance.

MINNESOTA MONTHLY PRICES RECEIVED BY FARMERS FOR CROPS (CONT'D)

BARLEY 3/
(Dollars Per Bushel)

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Season Average Price
1980	2.04	2.11	2.14	2.05	2.10	2.29	2.60	2.56	2.75	2.87	2.98	3.01	2.75
1981	2.88	3.09	3.01	3.11	2.94	2.60	2.27	2.15	2.39	2.19	2.23	2.20	2.21
1982	2.30	2.34	2.40	2.34	2.30	2.26	2.13	1.86	1.63	1.74	1.73	1.71	2.04
1983	1.74	1.78	1.86	2.04	2.13	2.07	2.01	2.22	2.38	2.46	2.41	2.43	2.34
1984	2.39	2.37	2.39	2.45	2.48	2.53	2.29	2.11	1.92	2.00	1.96	1.86	2.10 4/

ALL HAY, BALED 1/
(Dollars Per Ton)

1980	36.50	37.00	36.00	36.00	40.50	50.00	46.00	57.00	63.00	60.00	63.00	58.00	56.00
1981	61.00	58.00	53.00	57.00	57.00	63.00	59.00	62.00	64.00	66.00	69.00	66.00	68.00
1982	72.00	82.00	75.00	72.00	75.00	65.00	56.00	61.00	57.00	62.00	70.00	74.00	67.50
1983	74.00	71.00	70.00	74.00	77.00	63.00	60.00	65.00	66.00	66.00	75.00	56.00	61.00
1984	55.00	61.00	50.00	66.00	60.00	51.00	41.00	48.00	45.00	55.00	48.00	64.00	54.50 4/

ALFALFA HAY, BALED 1/
(Dollars Per Ton)

1980	38.00	39.00	37.00	38.00	41.50	52.00	47.00	59.00	68.00	62.00	68.00	62.00	2/
1981	64.00	60.00	54.00	60.00	58.00	65.00	63.00	66.00	71.00	70.00	74.00	74.00	2/
1982	76.00	85.00	80.00	74.00	80.00	70.00	58.00	64.00	60.00	66.00	77.00	80.00	2/
1983	80.00	76.00	75.00	80.00	81.00	68.00	63.00	69.00	70.00	70.00	80.00	62.00	2/
1984 4/	59.00	68.00	54.00	71.00	64.00	53.00	45.00	51.00	48.00	59.00	52.00	70.00	2/

ALL OTHER HAY, BALED 1/
(Dollars Per Ton)

1980	30.00	28.00	29.00	26.00	32.00	30.00	34.00	50.00	44.00	54.00	46.00	45.00	2/
1981	53.00	51.00	48.00	48.00	52.00	54.00	44.00	45.00	45.00	56.00	53.00	52.00	2/
1982	57.00	70.00	58.00	62.00	51.00	45.00	48.00	47.00	44.00	45.00	53.00	55.00	2/
1983	48.00	49.00	53.00	55.00	57.00	45.00	49.00	44.00	49.00	52.00	59.00	48.00	2/
1984 4/	41.00	42.00	43.00	46.00	44.00	43.00	28.00	23.00	33.00	46.00	34.00	45.00	2/

FLAXSEED 3/
(Dollars Per Bushel)

1980	5.39	5.83	5.94	5.40	5.94	6.07	6.80	7.10	7.13	6.88	7.14	7.56	7.18
1981	7.40	7.39	7.33	7.56	7.68	7.74	5/	7.18	6.40	6.33	6.61	7.18	6.88
1982	6.85	7.06	6.89	6.81	6.74	6.88	6.46	5.30	5.14	5.26	4.92	4.76	5.20
1983	4.77	4.55	4.70	4.70	4.38	5.10	5.03	6.40	6.94	7.37	6.58	6.47	6.68
1984	6.84	6.84	7.24	6.90	5/	7.06	5/	6.15	5.69	5.70	6.24	6.00	5.85

POTATOES
(Dollars Per Cwt.)

1980	3.50	3.30	3.15	3.00	3.30	3.50	3.60	9.90	6.95	4.90	4.90	6.55	8.00
1981	7.80	8.10	9.50	10.70	10.70	5/	9.20	7.15	6.20	4.90	4.60	4.80	4.90
1982	4.50	4.10	4.50	4.40	3.70	3.50	4.75	5.20	3.60	3.45	3.60	4.00	3.95
1983	3.80	3.90	3.80	4.60	4.50	3.80	4.60	8.30	5.10	3.65	5.80	4.30	5.55
1984	4.80	5.70	5.50	5.80	6.10	6.50	10.00	10.00	4.20	3.90	4.50	4.40	5.10

1/ Marketing year, June through May. 2/ Not available. 3/ Marketing year, July through June. 4/ Preliminary 1984. 5/ Volume of sales too small to make a price estimate. NOTE: Season average price includes allowance for loans outstanding and purchases by the government valued at the average loan and purchase rate. Monthly prices do not include this allowance.

LIVESTOCK PRICES

The livestock and dairy price statistics included in these tables are based on reports from farmers, auction markets, livestock buyers, meat and poultry processing plants, the South St. Paul market, produce houses, egg handlers and dealers, marketing cooperatives, dairy plants, and other firms doing business with farmers.

The marketing year for livestock, dairy, and poultry items is a calendar year, except for hogs, chickens, and eggs, which are on a December-November basis.

The 1984 annual average price for hogs increased 1% from 1983. Prices for sheep were 4% higher, beef cattle increased 2%, but calves were down 7%. Wool prices were up 38%. The 1984 annual average price for lambs increased 11% from 1983. Table market eggs were 26% higher.

The 1984 annual average price for all milk was 12 cents lower than a year earlier. Manufacturing grade milk was down 22 cents and grade A milk was down 7 cents.

MINNESOTA MONTHLY PRICES RECEIVED BY FARMERS FOR LIVESTOCK

BEEF CATTLE 1/
(Dollars Per Cwt.)

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual Average Price
1980	56.10	60.20	57.60	54.10	54.20	55.60	55.40	57.40	58.40	55.20	53.10	51.50	55.70
1981	51.40	52.20	51.80	51.80	53.00	54.50	52.30	51.80	53.80	47.80	47.10	43.50	50.80
1982	43.60	47.40	49.10	52.40	54.80	54.40	50.50	50.70	48.10	46.80	43.10	43.20	48.60
1983	46.20	48.40	50.70	51.40	53.40	51.70	48.40	47.10	45.60	42.90	43.50	42.60	47.60
1984	43.80	49.20	51.20	51.70	50.90	49.80	48.70	48.80	48.00	43.50	46.50	50.50	48.60

STEERS AND HEIFERS
(Dollars Per Cwt.)

1980	62.20	65.20	62.60	58.40	58.30	60.40	62.60	64.50	64.40	61.40	60.70	59.50	61.70
1981	57.40	58.10	56.90	57.00	58.30	59.70	58.10	57.10	59.20	54.50	54.10	52.00	57.00
1982	51.80	55.10	57.10	59.10	61.20	60.50	57.30	57.80	54.60	53.30	50.20	50.40	55.90
1983	52.20	54.90	57.50	58.50	58.30	56.60	54.00	52.50	51.40	49.80	50.50	52.50	54.10
1984	55.30	58.50	57.80	57.00	55.30	53.50	55.00	55.30	53.60	49.60	54.10	57.00	55.10

COWS 2/
(Dollars Per Cwt.)

1980	48.40	50.40	48.20	46.60	43.00	45.20	44.50	46.40	47.00	45.80	43.40	41.50	45.80
1981	42.90	44.10	43.60	44.30	43.30	43.20	43.00	43.80	41.90	38.50	36.60	34.90	41.40
1982	35.80	37.70	39.80	40.90	42.70	42.60	41.00	40.10	39.60	38.30	35.00	34.50	38.70
1983	36.20	39.90	41.60	41.80	43.10	41.90	40.50	38.10	36.80	35.40	32.80	32.40	37.90
1984	34.30	39.40	42.20	41.70	41.50	41.00	38.80	38.10	35.50	36.00	34.00	34.00	37.90

CALVES
(Dollars Per Cwt.)

1980	84.70	91.30	77.50	75.70	72.20	78.40	79.10	80.50	79.50	72.70	71.50	69.20	78.30
1981	72.00	70.60	70.30	75.00	71.70	74.60	70.40	71.20	68.90	61.00	58.70	57.80	67.40
1982	54.60	54.40	61.00	61.90	64.60	71.60	66.90	67.00	64.40	58.60	53.60	52.90	60.30
1983	59.00	63.50	66.90	64.10	64.00	68.50	63.10	58.30	55.70	52.20	53.90	53.50	59.70
1984	56.30	57.20	57.10	57.90	56.00	61.80	58.20	53.00	54.80	53.70	50.20	55.30	55.60

1/ "Cows" and "Steers and Heifers" combined.
2/ Beef cows sold for slaughter and herd replacement, and cull dairy cows sold for slaughter.

MINNESOTA MONTHLY PRICES RECEIVED BY FARMERS FOR LIVESTOCK (CONT'D)

HOGS 1/
(Dollars Per Cwt.)

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual Average Price
1980	36.60	37.00	33.90	28.50	28.70	32.60	41.50	46.60	46.30	47.50	45.70	43.80	38.30
1981	40.70	41.40	38.90	39.00	40.10	47.50	49.50	49.30	48.90	45.00	40.30	38.40	43.60
1982	43.10	48.20	49.10	51.60	57.40	57.90	58.80	62.00	61.80	56.00	52.60	53.40	52.60
1983	55.60	56.30	50.30	47.50	46.30	44.00	43.60	47.50	44.60	42.00	37.60	45.00	46.90
1984	48.20	45.80	46.60	48.00	47.60	49.90	52.80	50.60	46.30	43.60	46.70	49.00	47.50

SHEEP
(Dollars Per Cwt.)

1980	22.60	21.50	21.50	19.50	16.80	15.40	16.30	14.80	15.30	16.10	15.40	19.30	17.00
1981	19.30	20.40	21.20	19.10	14.70	14.50	18.60	18.00	15.30	13.40	13.90	15.20	16.40
1982	17.50	16.90	17.10	16.60	14.20	15.10	17.10	16.40	13.40	12.90	12.60	13.80	15.10
1983	18.40	19.50	18.00	14.10	12.70	11.20	15.10	14.00	11.40	11.40	12.10	14.10	14.10
1984	16.20	15.90	18.10	14.60	13.00	12.70	14.80	14.60	14.50	13.20	14.50	17.50	14.70

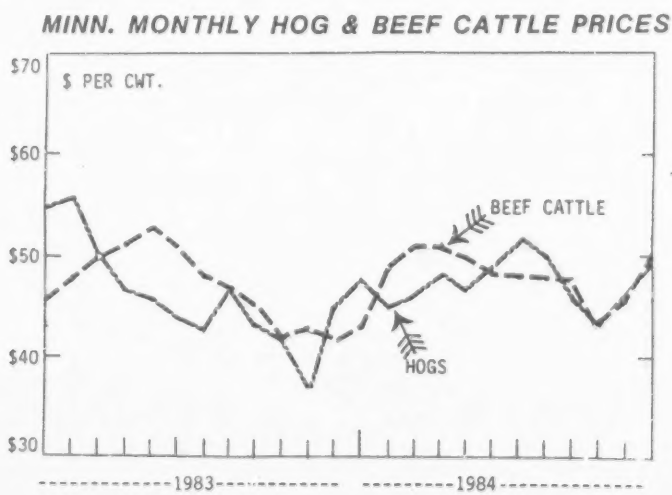
LAMBS
(Dollars Per Cwt.)

1980	66.10	64.20	66.70	59.80	61.30	65.40	67.20	65.80	66.80	63.60	57.70	55.90	63.20
1981	51.30	53.10	55.30	58.80	63.80	66.40	60.00	55.60	52.40	52.30	48.90	45.10	52.90
1982	51.00	54.70	60.50	63.10	66.60	59.00	57.50	53.50	52.40	49.50	48.30	50.00	54.70
1983	55.60	59.80	62.80	60.60	62.40	53.40	51.60	49.20	49.80	53.20	55.70	59.20	56.00
1984	60.80	61.00	58.30	62.10	63.20	59.40	60.00	61.80	63.80	63.80	65.80	63.40	62.10

WOOL
(Cents Per Pound)

1980	73	76	79	75	67	67	66	66	67	68	71	72	73
1981	72	73	71	67	68	71	67	68	69	70	64	64	70
1982	56	55	53	50	43	41	41	42	39	50	38	41	48
1983	39	44	37	35	35	37	37	37	39	39	43	46	39
1984	45	47	50	56	61	57	59	57	54	52	52	55	54

1/ Annual average price is the marketing year average--December previous year through November current year.



MINNESOTA MONTHLY PRICES RECEIVED BY FARMERS FOR MILK COWS & DAIRY PRODUCTS

MILK COWS 1/
(Dollars Per Head)

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual Average Price
1980	1,100	1,120	1,120	1,150	1,170	1,170	1,150	1,150	1,170	1,180	1,200	1,180	1,160
1981	1,200	1,190	1,190	1,190	1,180	1,180	1,180	1,190	1,180	1,170	1,160	1,130	1,180
1982 2/	1,120	--	--	1,090	--	--	1,090	--	--	1,050	--	--	1,090
1983	1,000	--	--	1,020	--	--	1,040	--	--	930	--	--	1,000
1984	850	--	--	910	--	--	890	--	--	830	--	--	870

ALL MILK
(Dollars Per Cwt.)

1980	11.98	11.95	12.07	12.10	12.04	12.02	12.00	12.21	12.65	13.20	13.36	13.42	12.40
1981	13.33	13.25	13.12	13.08	12.97	12.85	12.80	12.82	13.00	13.27	13.28	13.23	13.08
1982	13.20	13.07	12.99	12.96	12.83	12.75	12.70	12.70	12.98	13.22	13.26	13.23	12.98
1983	13.17	13.08	13.00	12.97	12.87	12.73	12.64	12.60	12.89	13.19	13.29	12.91	12.94
1984	12.76	12.64	12.62	12.57	12.52	12.40	12.47	12.62	13.19	13.50	13.62	13.32	12.82

FLUID MARKET MILK
(Dollars Per Cwt.)

1980	12.31	12.30	12.42	12.42	12.34	12.30	12.27	12.48	12.93	13.51	13.65	13.71	12.71
1981	13.63	13.57	13.39	13.37	13.25	13.11	13.06	13.06	13.22	13.49	13.50	13.47	13.34
1982	13.44	13.30	13.21	13.18	13.04	12.96	12.89	12.90	13.16	13.40	13.45	13.44	13.20
1983	13.39	13.29	13.22	13.17	13.06	12.93	12.84	12.80	13.10	13.42	13.48	13.17	13.15
1984	13.02	12.88	12.87	12.83	12.78	12.67	12.73	12.86	13.40	13.74	13.86	13.56	13.08

MANUFACTURING GRADE MILK
(Dollars Per Cwt.)

1980	11.52	11.49	11.60	11.70	11.65	11.66	11.65	11.83	12.26	12.73	12.92	12.98	11.96
1981	12.88	12.80	12.74	12.67	12.59	12.48	12.43	12.45	12.65	12.91	12.91	12.85	12.69
1982	12.79	12.69	12.62	12.60	12.51	12.42	12.39	12.37	12.66	12.91	12.92	12.87	12.63
1983	12.79	12.72	12.64	12.64	12.58	12.42	12.32	12.27	12.54	12.79	12.94	12.46	12.59
1984	12.31	12.21	12.20	12.15	12.07	12.00	12.02	12.18	12.80	13.04	13.13	12.83	12.37

1/ Milk cows sold for dairy herd replacement only.
2/ Quarterly effective January 1982.

MINNESOTA MONTHLY PRICES RECEIVED BY FARMERS FOR POULTRY

TURKEYS
(Cents Per Pound)

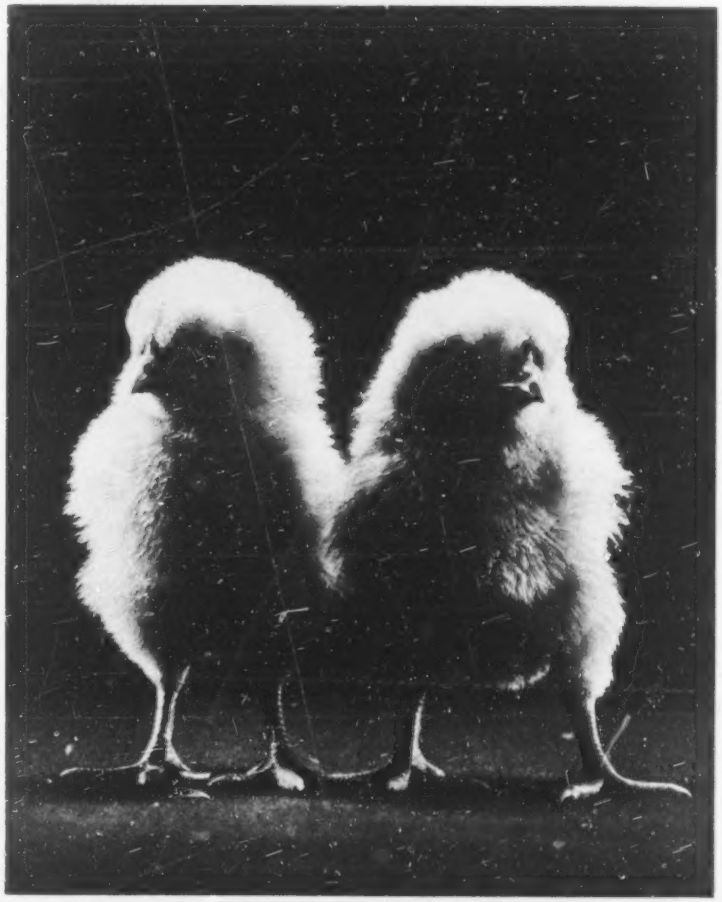
Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual Average Price
1980	37.0	35.0	34.0	32.0	31.0	31.0	38.0	40.0	44.0	47.0	48.0	42.0	40.0
1981	36.0	35.0	38.0	36.0	39.0	39.0	40.0	38.0	36.0	31.0	34.0	31.0	36.0
1982	33.0	34.0	34.0	35.0	36.0	38.0	40.0	40.0	41.0	42.0	42.0	30.0	39.0
1983	31.0	31.0	32.0	31.0	32.0	35.0	32.0	31.0	35.0	35.0	35.0	43.0	34.0
1984	45.0	40.0	40.0	44.0	41.0	41.0	42.0	44.0	44.0	49.0	54.0	57.0	46.0

TABLE MARKET EGGS 1/
(Cents Per Dozen)

1980	47.8	38.5	44.4	43.2	35.3	37.6	38.9	47.3	49.1	46.7	54.8	65.9	44.9
1981 2/	53.9	49.8	49.1	52.0	42.5	46.0	47.0	48.3	53.5	54.9	59.7	49.6	52.0
1982	50.5	53.5	54.7	51.4	43.3	42.3	43.6	38.9	44.7	46.3	48.7	40.6	47.5
1983	40.0	41.0	44.0	43.0	48.0	46.0	42.0	49.0	52.0	58.0	63.0	72.0	47.0
1984	85.0	80.0	65.0	79.0	57.0	46.0	45.0	44.0	44.0	44.0	46.0	46.0	59.0

1/ Table market eggs include eggs sold retail by the producer but exclude hatching eggs. The annual average price is the marketing year average - December previous year through November current year.

2/ Prior to December 1981, the price represents an "all eggs" price. Effective December 1981, the table market egg price is published instead.



MINNESOTA MONTHLY PRICES PAID BY FARMERS FOR SELECTED COMMODITIES

BRAN
(Dollars Per Cwt.)

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual Average Price 1/
1980	8.40	8.30	8.30	8.20	8.10	8.00	8.10	8.10	8.20	8.50	9.00	9.40	8.38
1981	9.10	9.20	9.30	9.10	9.20	9.20	9.00	8.90	8.70	8.70	8.80	8.60	8.98
1982	8.90	8.80	8.50	8.60	8.70	8.70	8.70	8.70	8.70	8.50	8.40	8.40	8.63
1983	8.60	8.60	8.60	8.60	8.70	8.70	8.70	8.80	8.90	8.60	8.90	9.30	8.75
1984	9.20	9.60	9.40	9.20	9.20	9.40	8.90	9.00	8.90	8.80	8.50	8.60	9.06

MIDDLINGS
(Dollars Per Cwt.)

1980	8.20	8.10	8.20	8.00	7.70	7.80	7.40	8.00	8.00	8.10	8.80	8.90	8.10
1981	8.80	8.80	8.70	8.80	8.90	9.10	8.90	8.60	8.40	8.60	8.50	8.40	8.71
1982	8.70	8.40	8.50	8.90	9.10	8.80	8.80	8.80	8.50	8.40	8.10	8.40	8.62
1983	8.40	8.40	8.20	8.60	8.50	8.90	8.70	8.50	8.80	8.60	8.90	8.90	8.62
1984	9.10	9.20	9.00	8.90	8.60	9.00	8.20	8.70	8.30	8.40	8.20	8.00	8.63

SOYBEAN MEAL, 44%
(Dollars Per Cwt.)

1980	11.60	11.60	11.50	10.50	11.00	11.00	12.00	13.00	13.50	14.50	16.00	15.00	12.60
1981	14.50	13.70	13.00	13.50	13.50	13.50	13.00	13.00	12.50	12.00	11.50	12.00	12.98
1982	12.50	12.10	11.80	11.90	12.00	12.10	12.00	11.50	11.00	11.00	11.00	11.50	11.70
1983	11.50	11.30	11.50	12.00	12.50	12.00	12.00	14.00	15.00	14.00	14.50	14.00	12.86
1984	13.50	12.50	12.50	12.50	13.00	12.00	11.50	11.20	10.80	10.30	10.50	10.00	11.69

BEEF CATTLE CONCENTRATE, 32%-36%
(Dollars Per Cwt.)

1980	11.00	10.90	10.80	10.50	10.50	10.50	11.00	12.00	12.00	12.50	13.50	13.00	11.52
1981	13.00	12.20	12.00	12.50	12.50	12.50	12.00	12.00	12.00	11.50	11.50	12.50	12.18
1982	12.00	12.00	11.50	12.00	12.00	12.50	12.00	12.00	11.50	12.00	11.50	11.50	11.88
1983	12.00	12.00	12.00	12.00	12.50	12.00	12.50	13.00	13.50	13.00	13.50	13.50	12.63
1984	13.50	13.00	13.00	12.50	13.00	13.00	11.50	12.00	12.00	11.00	11.50	11.00	12.25

HOG CONCENTRATE, 38%-42%
(Dollars Per Cwt.)

1980	14.00	14.30	14.30	13.50	14.00	13.40	14.60	15.60	16.30	17.00	18.50	17.60	15.26
1981	17.00	15.90	15.50	16.00	16.50	16.00	16.10	16.10	15.40	15.30	14.90	15.20	15.83
1982	14.90	14.90	14.70	14.90	15.00	15.00	15.00	14.10	14.10	13.80	14.10	14.40	14.58
1983	14.60	14.80	14.70	15.30	15.30	14.90	14.70	16.50	17.10	16.30	17.00	16.60	15.65
1984	16.40	15.40	15.60	15.40	15.40	14.80	14.10	14.00	13.70	13.50	13.40	13.20	14.58

1/ Annual average prices are straight rather than weighted averages.

MINNESOTA MONTHLY PRICES PAID BY FARMERS FOR SELECTED COMMODITIES

DAIRY FEED, 16%
(Dollars Per Ton)

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual Average Price 1/
1980	151	146	148	147	154	151	157	169	174	177	188	190	163
1981	198	180	173	178	185	182	177	174	168	167	162	166	176
1982	163	161	164	168	170	165	164	163	155	153	158	160	162
1983	157	161	161	169	171	175	168	181	182	186	193	188	174
1984	192	192	183	205	185	182	177	175	171	165	165	164	180

DAIRY FEED, 32%
(Dollars Per ton)

1980	230	235	235	225	235	235	245	275	275	280	305	300	256
1981	300	275	280	280	290	280	270	275	270	265	265	255	275
1982	265	255	250	270	270	270	255	255	265	250	255	260	260
1983	260	255	255	265	270	270	270	285	305	300	310	295	278
1984	295	275	280	280	280	265	275	260	260	245	255	240	268

LAYING FEED
(Dollars Per Ton)

1980	185	172	171	173	181	182	185	193	210	192	200	215	188
1981	215	205	220	215	220	220	205	198	210	200	196	210	210
1982	194	194	200	200	205	205	200	200	188	185	190	200	197
1983	200	200	196	210	210	215	205	210	220	220	225	220	211
1984	220	220	225	215	225	220	210	205	205	189	191	185	209

CHICK STARTER
(Dollars Per Ton)

1980	210	205	210	205	210	210	220	230	240	240	250	260	224
1981	260	245	240	245	255	245	245	240	235	230	225	230	241
1982	225	225	220	225	230	230	225	220	215	210	210	230	222
1983	220	225	225	240	245	245	240	255	265	255	255	255	244
1984	250	245	250	255	260	255	235	245	235	225	225	220	242

BROILER GROWER
(Dollars Per Ton)

1980	180	168	177	181	185	182	191	205	205	220	240	245	198
1981	235	230	220	230	235	235	245	225	235	220	210	220	228
1982	205	205	205	205	215	205	210	197	182	191	195	205	202
1983	189	198	210	230	215	220	215	235	240	245	250	240	224
1984	225	225	250	235	235	210	220	215	205	196	195	186	216

1/ Annual average prices are straight rather than weighted averages.

MINNESOTA MONTHLY PRICES PAID BY FARMERS FOR SELECTED COMMODITIES

CORN MEAL
(Dollars Per Cwt.)

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual Average Price 1/
1980	5.30	5.30	5.40	5.20	5.50	5.40	5.90	6.00	6.10	5.80	6.30	5.90	5.68
1981	6.30	6.20	6.10	6.30	6.50	6.50	6.60	6.20	6.10	5.80	5.80	5.00	6.12
1982	5.30	4.80	5.00	5.30	5.30	5.60	5.70	5.10	5.10	4.85	4.90	4.90	5.15
1983	5.10	5.30	5.40	6.30	6.20	6.20	6.30	6.90	6.80	6.90	6.60	6.50	6.21
1984	6.50	6.50	6.70	6.60	7.30	7.00	6.90	6.90	6.60	6.60	6.30	6.00	6.66

GASOLINE (SERVICE STATION), UNLEADED REGULAR
(Dollars Per Gallon)

1980	1.11	1.17	1.23	1.26	1.29	1.29	1.28	1.28	1.27	1.26	1.26	1.27	1.250
1981	1.29	1.38	1.42	1.41	1.40	1.40	1.38	1.39	1.38	1.38	1.38	1.38	1.380
1982	1.36	1.36	1.31	1.25	1.27	1.36	1.38	1.37	1.36	1.35	1.35	1.32	1.340
1983	1.27	1.21	1.18	1.25	1.32	1.33	1.33	1.34	1.33	1.31	1.31	1.29	1.290
1984	1.27	1.29	1.28	1.28	1.28	1.28	1.27	1.27	1.26	1.25	1.26	1.23	1.270

LEADED REGULAR GASOLINE, BULK DELIVERY
(Dollars Per Gallon)

1980	1.04	1.10	1.16	1.19	1.22	1.23	1.21	1.21	1.19	1.19	1.20	1.22	1.180
1981	1.24	1.31	1.35	1.34	1.32	1.33	1.32	1.33	1.31	1.31	1.32	1.32	1.320
1982	1.29	1.30	1.25	1.19	1.21	1.30	1.31	1.30	1.31	1.30	1.29	1.26	1.280
1983	1.21	1.16	1.12	1.20	1.26	1.29	1.25	1.27	1.25	1.26	1.22	1.22	1.230
1984	1.21	1.21	1.17	1.21	1.20	1.19	1.20	1.18	1.18	1.18	1.14	1.14	1.180

DIESEL FUEL
(Dollars Per Gallon)

1980	.920	.950	.980	.990	1.02	1.02	1.01	.990	1.00	.980	1.01	1.03	.990
1981	1.05	1.16	1.19	1.19	1.17	1.17	1.16	1.16	1.16	1.16	1.16	1.16	1.160
1982	1.15	1.16	1.10	1.04	1.07	1.15	1.15	1.13	1.12	1.14	1.16	1.13	1.130
1983	1.08	1.01	.950	.940	.970	.980	.980	1.00	1.02	1.01	1.02	1.01	1.000
1984	1.01	1.03	1.02	1.03	1.02	1.02	1.01	1.00	.990	.990	1.00	1.00	1.010

LP GAS
(Dollars Per Gallon)

1980	.570	.600	.620	.610	.600	.610	.610	.610	.620	.610	.620	.660	.610
1981	.670	.680	.690	.700	.690	.690	.710	.700	.680	.690	.690	.690	.690
1982	.720	.710	.680	.670	.660	.670	.670	.670	.740	.760	.810	.800	.710
1983	.780	.780	.770	.770	.800	.800	.810	.810	.800	.800	.790	.780	.790
1984	.790	.800	.790	.800	.750	.760	.740	.720	.730	.760	.740	.740	.760

1/ Annual average prices are straight rather than weighted averages.

Cost of Producing Major Minnesota Crops - 1983

The tables on these 2 pages are based on USDA's Cost of Production Survey conducted in the spring of 1984. These cost estimates would not be possible without the cooperation of participating Minnesota farmers.

Minnesota farmers spent $4.44 to produce a bushel of hard red spring wheat; however, the 1983-84 season average price they received was only $3.82. Corn cost $3.40/bushel to produce; the average farm price was $3.05. A bushel of oats cost $2.46 to produce versus average prices of only $1.57. Barley growers spent $3.05/bushel to produce their crop and got average prices of $2.34. Sunflowers cost $15.89/cwt. to produce against average prices of $14.00. Minnesota farmers spent $6.70 to produce a bushel of soybeans in 1983; prices averaged $7.64.

Budgets were built using data for machinery use, fertilizer use, pesticide expenditures, and other managerial practices obtained from the survey. Yields, product prices, and input prices come from our ongoing agricultural statistics program.

Costs shown represent those of the average producer in Minnesota. Costs of individual operations will vary considerably from this average. The land charge included in these budgets are based on a share rental arrangement; thus the land cost is the land owner's net return after paying for his share of each of the variable inputs. Each commodity shown is based on the following:

CORN FOR GRAIN... 65% owned, 29% cash rented, 6% share rented.
SOYBEANS..... 51% owned, 33% cash rented, 16% share rented.
SPRING WHEAT..... 53% owned, 34% cash rented, 13% share rented.
OATS..... 78% owned, 17% cash rented, 5% share rented.
BARLEY..... 61% owned, 29% cash rented, 10% share rented.
SUNFLOWERS..... 67% owned, 27% cash rented, 6% share rented.

The general farm overhead costs come from data obtained from another USDA survey, the Farm Production Expenditures Survey.

Much of the research and compilation of this data was done by the Oklahoma State University. For more information on these cost estimates, contact Ronald Krenz, Department of Agricultural Economics, Oklahoma State University, Stillwater, OK 74078.

AVERAGE COST OF MINNESOTA CROP PRODUCTION

CORN FOR GRAIN

Item	Unit	Price or Cost per Unit	Quantity	Value or Cost per Acre	Cost Per Unit of Prod.
1. GROSS RECEIPTS FROM PRODUCTION, CORN	Bu.	2.990	82.680	247.21	
TOTAL RECEIPTS.....				247.21	
2. VARIABLE COSTS:					
Pre-Harvest					
Seed	Lbs.	1.117	15.300	17.09	0.21
Nitrogen	Lbs.	0.178	99.600	17.73	0.21
Phosphate	Lbs.	0.239	54.300	12.98	0.16
Potash	Lbs.	0.117	68.200	7.98	0.10
Herbicide	Acre	18.660	1.000	18.56	0.23
Mach. Fuel & Lube	Acre			7.31	0.09
Machine Repairs	Acre			5.31	0.06
Labor	Hrs	4.070	1.975	8.04	0.09
Interest on Op. Cap.	Dols	0.087	48.725	4.26	0.05
Other Pre-Harv. Costs				5.06	0.06
Total Pre-Harvest				104.43	1.26
Harvest					
Corn Shelling	Bu.	0.110	6.200	0.68	0.01
Custom Comb. & Haul	Acre	19.000	0.130	2.47	0.03
Mach. Fuel & Lube	Acre			3.44	0.04
Machine Repairs	Acre			2.97	0.04
Machinery Labor	Hrs	4.070	0.670	2.73	0.03
Drying Cost	Bu.	0.185	54.569	10.07	0.12
Interest on Op. Cap.	Dols	0.087	0.000	0.00	0.00
Total Harvest				22.37	0.27
TOTAL VARIABLE COSTS:				126.79	1.53
3. CAPITAL OWNERSHIP COSTS (REPLACEMENT, INTEREST, INSURANCE, TAXES)					
Tractors				9.46	0.11
Machinery				43.29	0.52
TOTAL CAPITAL OWNERSHIP COSTS				52.75	0.64
4. OTHER COSTS					
Land Charge (Share Rent)				84.73	1.02
General Farm Overhead				16.45	0.20
TOTAL OTHER COSTS				101.18	1.22
5. TOTAL OF ABOVE COSTS				280.72	3.40

SOYBEANS

Item	Unit	Price or Cost per Unit	Quantity	Value or Cost per Acre	Cost per Unit of Prod.
1. GROSS RECEIPTS FROM PRODUCTION, SOYBEANS...	Bu.	7.850	31.660	248.53	
TOTAL RECEIPTS.....				248.53	
2. VARIABLE COSTS:					
Pre-Harvest					
Seed	Lbs.	0.121	62.800	7.60	0.24
Nitrogen	Lbs.	0.178	3.700	0.66	0.02
Phosphate	Lbs.	0.239	5.700	1.36	0.04
Potash	Lbs.	0.117	13.300	1.56	0.05
Herbicide	Acre	20.100	1.000	20.10	0.63
Mach. Fuel & Lube	Acre			7.52	0.24
Machine Repairs	Acre			5.00	0.16
Labor	Hrs	4.070	2.604	10.60	0.33
Interest on Op. Cap.	Dols	0.087	21.723	1.90	0.06
Other Pre-Harv. Costs	Acre			0.07	0.00
Total Pre-Harvest				56.37	1.76
Harvest					
Custom Comb. & Haul	Acre	18.950	0.060	1.14	0.04
Mach. Fuel & Lube	Acre			2.14	0.07
Machine Repairs	Acre			1.73	0.05
Machinery Labor	Hrs	4.070	0.372	1.51	0.05
Interest on Op. Cap.	Dols	0.087	0.000	0.00	0.00
Total Harvest				6.53	0.21
TOTAL VARIABLE COSTS				62.89	1.99
3. CAPITAL OWNERSHIP COSTS (REPLACEMENT, INTEREST, INSURANCE, TAXES)					
Tractors				9.30	0.29
Machinery				35.56	1.12
TOTAL CAPITAL OWNERSHIP COSTS				44.86	1.42
4. OTHER COSTS					
Land Charge (Share Rent)				88.68	2.80
General Farm Overhead				15.65	0.49
TOTAL OTHER COSTS				104.33	3.30
5. TOTAL OF ABOVE COSTS				212.08	6.70

AVERAGE COST OF MINNESOTA CROP PRODUCTION (CONT'D)

BARLEY

Item	Unit	Price or Cost per Unit	Quantity	Value or Cost per Acre	Cost per Unit of Prod.
1. GROSS RECEIPTS FROM PRODUCTION, BARLEY.....	Bu.	2.220	48.640	107.98	
STRAW.....	Ton	24.750	0.110	2.72	
TOTAL RECEIPTS.....				110.70	
2. VARIABLE COSTS:					
Pre-Harvest					
Seed	Lbs.	0.069	87.300	6.02	0.12
Nitrogen	Lbs.	0.178	55.600	9.90	0.20
Phosphate	Lbs.	0.239	31.900	7.62	0.16
Potash	Lbs.	0.117	18.300	2.14	0.04
Herbicide	Acre	8.320	1.000	8.32	0.17
Mach. Fuel & Lube	Acre			6.16	.013
Machine Repairs	Acre			4.87	0.10
Labor	Hrs	4.070	1.457	5.93	0.12
Interest on Op. Cap.	Dols	0.087	13.390	1.17	0.02
Other Pre-Harv. Costs	Acre			1.01	0.03
Total Pre-Harvest				63.13	1.09
Harvest					
Baler Twine-Wire	Bl.	21.300	0.010	0.21	0.00
Custom Comb. & Haul	Acre	13.850	0.060	0.83	0.02
Mach. Fuel & Lube	Acre			3.13	0.06
Machine Repairs	Acre			2.72	0.06
Machinery Labor	Hrs	4.070	0.740	3.01	0.06
Interest on Op. Cap.	Dols	0.087	0.000	0.00	0.00
Total Harvest				9.91	0.20
TOTAL VARIABLE COSTS				63.04	1.30
3. CAPITAL OWNERSHIP COSTS (REPLACEMENT, INTEREST, INSURANCE, TAXES)					
Tractors				8.93	0.18
Machinery				34.73	0.71
TOTAL CAPITAL OWNERSHIP COSTS				43.66	0.90
4. OTHER COSTS					
Land Charge (Share Rent)				34.14	0.70
General Farm Overhead				7.49	0.15
TOTAL OTHER COSTS				41.63	0.86
5. TOTAL OF ABOVE COSTS				148.34	3.05

SPRING WHEAT

Item	Unit	Price or Cost per Unit	Quantity	Value or Cost per Acre	Cost per Unit of Prod.
1. GROSS RECEIPTS FROM PROD., SPRING WHEAT....	Bu.	3.830	34.140	130.76	
STRAW.....	Ton	31.400	0.060	1.88	
TOTAL RECEIPTS.....				132.64	
2. VARIABLE COSTS:					
Pre-Harvest					
Seed	Lbs.	0.090	101.300	9.12	0.27
Nitrogen	Lbs.	0.178	70.900	12.62	0.37
Phosphate	Lbs.	0.239	33.000	7.89	0.23
Potash	Lbs.	0.117	15.100	1.77	0.05
Herbicide	Acre	7.490	1.000	7.49	0.22
Mach. Fuel & Lube	Acre			6.25	0.18
Machine Repairs	Acre			4.60	0.13
Labor	Hrs	4.070	1.381	5.62	0.16
Interest on Op. Cap.	Dols	0.087	15.734	1.38	0.04
Other Pre-Harv. Costs	Acre			2.91	0.09
Total Pre-Harvest				59.64	1.75
Harvest					
Baler Twine-Wire	Bl.	21.300	0.010	0.21	0.01
Custom Comb. & Haul	Acre	13.900	0.050	0.69	0.02
Mach. Fuel & Lube	Acre			2.40	0.07
Machine Repairs	Acre			1.82	0.05
Machinery Labor	Hrs	4.070	0.514	2.09	0.06
Interest on Op. Cap.	Dols	0.087	0.000	0.00	0.00
Total Harvest				7.22	0.21
TOTAL VARIABLE COSTS				66.86	1.96
3. CAPITAL OWNERSHIP COSTS (REPLACEMENT, INTEREST, INSURANCE, TAXES)					
Tractors				8.09	0.24
Machinery				28.46	0.83
TOTAL CAPITAL OWNERSHIP COSTS				36.55	1.07
4. OTHER COSTS					
Land Charge (Share Rent)				39.77	1.16
General Farm Overhead				8.55	0.25
TOTAL OTHER COSTS				48.32	1.42
5. TOTAL OF ABOVE COSTS				151.73	4.44

SUNFLOWERS

Item	Unit	Price or Cost per Unit	Quantity	Value or Cost per Acre	Cost per Unit of Prod.
1. GROSS RECEIPTS FROM PRODUCTION, SUNFLOWERS.....	Cwt.	13.500	10.570	142.69	
TOTAL RECEIPTS.....				142.69	
2. VARIABLE COSTS					
Pre-Harvest					
Seed	Lbs.	2.200	3.890	8.56	0.81
Nitrogen	Lbs.	0.178	57.400	10.22	0.97
Phosphate	Lbs.	0.239	29.900	7.15	0.68
Potash	Lbs.	0.117	23.300	2.73	0.26
Herbicide	Acre	9.560	1.000	9.56	0.90
Insecticide	Acre	3.230	1.000	3.23	0.31
Mach. Fuel & Lube	Acre			8.04	0.76
Machine Repairs	Acre			5.58	0.53
Labor	Hrs	4.070	1.615	6.57	0.63
Interest on Op. Cap.	Dols	0.087	24.589	2.15	0.20
Other Pre-Harv. Costs	Acre			1.63	0.16
Total Pre-Harvest				65.41	6.19
Harvest					
Defoliant	Acre	0.390	1.000	0.39	0.04
Custom Comb. & Haul	Acre	13.750	0.110	1.51	0.14
Mach. Fuel & Lube	Acre			2.27	0.21
Machine Repairs	Acre			1.18	0.11
Machinery Labor	Hrs	4.070	0.327	1.33	0.13
Drying Costs	Cwt.	0.551	5.391	2.97	0.28
Interest on Op. Cap.	Dols	0.087	0.000	0.00	0.00
Total Harvest				9.65	0.91
TOTAL VARIABLE COSTS				75.06	7.10
3. CAPITAL OWNERSHIP COSTS (REPLACEMENT, INTEREST, INSURANCE, TAXES)					
Tractors				10.49	0.99
Machinery				30.10	2.85
TOTAL CAPITAL OWNERSHIP COSTS				40.59	3.84
4. OTHER COSTS					
Land Charge (Share Rent)				43.32	4.10
General Farm Overhead				8.96	0.85
TOTAL OTHER COSTS				52.28	4.95
5. TOTAL OF ABOVE COSTS				167.93	15.89

OATS

Item	Unit	Price or Cost per Unit	Quantity	Value or Cost per Acre	Cost per Unit of Prod.
1. GROSS RECEIPTS FROM PRODUCTION, OATS.....	Bu.	1.390	55.200	76.73	
STRAW.....	Ton	45.400	0.560	25.42	
TOTAL RECEIPTS.....				102.15	
2. VARIABLE COSTS:					
Pre-Harvest					
Seed	Lbs.	0.055	95.500	5.25	0.10
Nitrogen	Lbs.	0.178	13.900	2.47	0.04
Phosphate	Lbs.	0.239	13.700	3.27	0.06
Potash	Lbs.	0.117	12.200	1.43	0.03
Herbicide	Acre	1.740	1.000	1.74	0.03
Mach. Fuel & Lube	Acre			7.10	0.13
Machine Repairs	Acre			4.85	0.09
Labor	Hrs	4.070	2.285	9.30	0.17
Interest on Op. Cap.	Dols	0.087	13.252	1.16	0.02
Other Pre-Harv. Costs	Acre			0.16	0.00
Total Pre-Harvest				36.74	0.67
Harvest					
Baler Twine-Wire	Bl.	21.300	0.050	1.06	0.02
Custom Swathing	Acre	5.080	0.120	0.61	0.01
Custom Comb. & Haul	Acre	13.950	0.190	2.65	0.05
Mach. Fuel & Lube	Acre			5.03	0.09
Machine Repairs	Acre			3.78	0.07
Machinery Labor	Hrs	4.070	1.529	6.22	0.11
Interest on Op. Cap.	Dols	0.087	0.000	0.00	0.00
Total Harvest				19.36	0.35
TOTAL VARIABLE COSTS				56.10	1.02
3. CAPITAL OWNERSHIP COSTS (REPLACEMENT, INTEREST, INSURANCE, TAXES)					
Tractors				10.87	0.20
Machinery				36.51	0.66
TOTAL CAPITAL OWNERSHIP COSTS				47.38	0.86
4. OTHER COSTS					
Land Charge (Share Rent)				26.40	0.48
General Farm Overhead				5.67	0.10
TOTAL OTHER COSTS				32.07	0.58
5. TOTAL OF ABOVE COSTS				135.56	2.46

CUSTOM RATES

The suggested custom rates provided by the University of Minnesota's Ag Extension Service in the following table have been calculated by formula from the most recent farm machinery, energy, and labor prices available. Estimated custom rates can provide reasonable estimates as a base for determining a negotiated rate between a purchaser and a supplier of custom services.

Custom rates will vary from area to area and are always a function of the demand and the supply of those custom services. A more complete listing of machinery may be obtained from 1985 CUSTOM RATE ESTIMATES FOR MINNESOTA, AG-FO-2309; University of Minnesota Ag Extension Service, St. Paul, MN 55108.

MINNESOTA CUSTOM RATES
1985*

Item	Tractor HP	Cash Operating Costs 1/		Total Costs 2/		Suggested Custom Rates 3/	
		Per Hour	Per Acre	Per Hour	Per Acre	Per Hour	Per Acre
		Dollars					
TILLAGE EQUIPMENT:							
MB Plow 3-16	60	6.52	3.73	23.20	13.29	27.55	15.78
MB Plow 4-16	75	10.67	4.59	37.12	15.96	43.67	18.78
MB Plow 6-16	120	16.85	4.83	50.53	14.47	59.17	16.95
MB Plow 8-16	160	24.26	5.22	68.26	14.68	80.15	17.23
MB Plow 10-18	225	31.82	4.86	87.03	13.30	102.67	15.69
MB Plow 12-18	275	37.50	4.77	100.47	12.79	120.01	15.28
Chisel Plow 15 Ft	120	12.89	1.97	41.16	6.29	48.79	7.45
Chisel Plow 20 Ft	160	17.65	2.02	51.97	5.96	61.25	7.02
Chisel Plow Wing 29	250	26.19	2.07	82.84	6.55	97.80	7.73
Chisel Plow Wing 35	300	30.88	2.02	95.40	6.25	113.25	7.42
Field Cultivator 12	75	7.68	1.27	27.88	4.60	33.30	5.49
Field Cultivator 28	160	18.07	1.33	53.42	3.93	63.91	4.71
Field Cultivator 37	225	22.88	1.28	64.81	3.61	77.36	4.31
Disk 10 Ft	60	6.09	1.26	27.25	5.62	32.70	6.74
Disk 20 Ft	100	11.71	1.21	50.39	5.20	60.46	6.23
Disk 24 Ft	120	14.15	1.22	61.00	5.24	73.03	6.28
Disk 32 Ft	160	19.03	1.23	76.64	4.94	91.75	5.91
Disk 40 Ft	180	22.93	1.18	97.64	5.03	115.42	5.95
Disk Offset 14 Ft	140	14.97	2.45	54.31	8.89	65.20	10.67
Disk Offset 18 Ft	180	19.48	2.48	64.34	8.19	77.08	9.81
Disk-Wing Offset 23	225	22.24	2.22	83.15	8.28	99.57	9.92
Landplane 45-12 Ft	180	19.48	3.04	64.43	10.07	77.32	12.08
Landplane 55-14 Ft	225	23.06	2.88	90.72	11.34	108.86	13.61
Springtooth Drag 30	60	5.86	.37	38.15	2.38	45.78	2.86
Springtooth Drag 48	75	7.63	.25	45.25	1.50	54.27	1.79
PLANTING EQUIPMENT:							
Corn Planter 4-36	40	6.92	1.51	41.97	9.16	48.22	10.52
Corn Planter 6-30	60	10.42	1.82	58.57	10.23	66.80	11.66
Corn Planter 8-30	75	14.57	1.91	81.62	10.69	93.83	12.29
Min-Till Planter 4-36	60	9.47	2.66	51.73	14.52	59.09	16.58
Min-Till Planter 6-30	75	12.48	2.80	66.57	14.95	75.21	16.88
Min-Till Planter 8-30	100	17.69	2.98	89.94	15.14	103.30	17.39
Min-Till Planter 8-36	100	18.09	2.54	92.82	13.02	105.46	14.80
Min-Till Planter 12-3	160	27.33	3.07	128.45	14.42	144.21	16.19
Potato Planter 4 Row	120	16.89	4.41	104.59	27.31	115.95	30.27
Beet Planter 12 Row	100	15.71	3.37	90.78	19.45	108.94	23.34
Grain Drill Pw 14 Ft	40	7.03	1.26	37.01	6.64	42.25	7.58
Grain Drill Pw 20 Ft	75	11.80	1.48	53.81	6.76	61.99	7.78
Grain Drill Pw 28 Ft	100	16.81	1.51	72.60	6.51	84.58	7.59
MISCELLANEOUS EQUIPMENT:							
Light Truck	---	7.41	4.89	19.19	12.67	22.19	14.64
Medium Truck	---	13.16	8.69	30.09	19.86	34.44	22.73
Heavy Truck	---	21.40	14.13	44.63	29.46	50.87	33.58
Manure Spreader 150	75	11.19	3.21	34.71	9.94	40.51	11.60
Manure Spreader 225	100	16.13	4.62	45.42	13.30	54.01	15.47
Hay Wagon	40	4.70	1.24	24.00	6.35	28.61	7.56
Forage Wagon 14 Ft	40	6.38	3.86	26.17	15.82	29.95	18.10
MAINTENANCE EQUIPMENT:							
Cultivator 4-36	40	4.05	.87	19.44	4.18	23.00	4.94
Cultivator 6-30	60	5.89	1.01	24.27	4.17	29.03	4.99
Cultivator 12-30	140	15.20	1.31	53.34	4.58	63.49	5.46
Rotary Hoe 16	40	1.01	.37	27.88	2.57	33.26	3.06
Potato Cult. 4 Row	75	8.49	1.39	30.10	4.91	35.70	5.82
Beet Cult. 12 Row	100	10	1.77	54.21	9.03	65.05	10.84
Beet Thinner 12 Row	120	17	4.23	87.06	20.73	104.47	24.87
Sprayer 30 Ft	40		.34	26.09	1.84	31.27	2.20
Sprayer Hi Pres 50 Ft	60	1	.71	77.75	3.29	93.16	3.94
Anhydrous Applicator	160	25.46	2.00	107.56	8.45	118.67	9.32
Fertilizer Spreader 40	60	10.15	.26	65.03	1.68	76.59	1.97
Shredder 12 Ft	60	6.65	1.52	29.71	6.81	35.03	8.03
HARVESTING EQUIPMENT:							
Swather-Cond 12 Ft	---	5.10	.94	47.62	8.73	53.22	9.76
Swather-Cond 15 Ft	---	5.17	.76	49.15	7.21	54.89	8.05
Swather 18 Ft	---	6.34	.73	73.38	8.41	83.04	9.51
1 Ton Stacker	60	10.22	2.47	35.36	8.53	41.37	9.98
3 Ton Stacker	75	13.85	2.86	43.81	9.06	51.27	10.60
Baler PTO Twine	40	7.21	1.91	27.96	7.39	31.57	8.35
Round Baler 1500 Lb	60	10.55	2.28	35.01	7.55	40.84	8.81
Rotary Mower	40	4.41	1.62	18.74	6.87	22.39	8.21
Rake (HYD)	40	4.84	1.39	18.21	5.22	21.51	6.16
Forage Harv 2 Row	100	13.25	8.01	60.04	36.29	69.57	42.05
For Harv 2 Row S P	---	20.62	10.13	108.24	53.15	122.84	60.32
Forage Blower Lg	60	5.66	5.66	29.38	29.38	33.11	33.11
Corn Picker 2-36	40	8.01	5.65	41.28	29.10	46.80	33.00
Picker-Sheller 2 Row	60	9.21	6.18	42.18	28.33	48.34	32.46
Combine Sm Gr Med	MED	41.63	8.81	97.19	20.56	115.66	24.47
Combine Soybeans Med	MED	42.64	10.31	101.27	24.48	119.86	28.98
Combine Corn 2-38 Sm	SML	34.73	23.32	82.91	55.68	98.62	66.23
Combine Corn 4-36 Md	MED	43.49	15.33	104.75	36.93	123.59	43.57
Combine Corn 4-30 Md	MED	43.35	16.67	104.14	40.05	122.93	47.28
Combine Corn 8-30 Lg	LRG	51.00	10.79	124.19	26.27	145.52	30.78
Potato Harv, 2 Row	120	22.98	11.54	101.85	51.13	117.72	59.11
Beet Lifter 6 Row	120	19.75	3.80	122.26	23.51	145.80	28.04
Beet Topper 6 Row	100	12.54	1.96	63.69	9.95	75.86	11.85
Beet Wagon 8 Ton	75	8.12	2.34	38.43	11.09	45.95	13.26

1/ CASH OPERATING COSTS: These costs, provided on a per-hour and per-acre basis, are estimates of the costs of fuel (diesel), oil, and repairs for the tractor and the implement as used for the particular function described. Labor cost estimates are NOT included in this figure.

2/ TOTAL COSTS: Total costs provide estimates of all costs associated with carrying out the particular function. These costs include cash operating costs, labor, and overhead costs for the tractor and implement. Labor is valued at $6.50 per hour for unskilled labor and $7.80 per hour for skilled labor.

3/ SUGGESTED CUSTOM RATES: The suggested custom rate values include an additional 20% over the total cost figures. This margin provides a profit to the custom operator and a return for the risk and travel expenses involved. Many times a custom operator will cover more acres annually than a commercial farmer. Therefore, for popular custom services the overhead costs may be spread over more acres and hours, thereby reducing the total costs.

* SOURCE: 1985 CUSTOM RATE ESTIMATES FOR MINNESOTA (F. Benson, S. Gillard), Agricultural Extension Service, University of Minnesota, AG-FO-2309 Revised 1985.

INDEX

Apples 8, 21
Assets, Farm 5
Barley:
- Acreage, Yield, Production 13, 14, 17, 37
- Cash Receipts 8
- Marketings 22
- Planting & Harvesting 48
- Pesticide Use On 50-53
- Prices 17, 72
- Production Expenses 81
- Rank of Important States & Counties 1, 2
- Records Set 14
- Stocks 14, 23
- Value 17

Beans, Dry Edible:
- Acreage, Yield, Production 13, 20, 46
- Cash Receipts 8
- Prices 20
- Rank of Important States 1
- Value 20

Butter 1, 62, 63, 64
Carrots 21
Cash Receipts:
- Chart Summary 5
- County Totals 6-7
- Individual Commodities 8, 80-81
- Rank of Important States & Counties 1, 2
- Summary 4

Cattle & Calves:
- Calf Crop 55, 56
- Cash Receipts 8, 56
- Farms With Cattle & Calves 3, 54
- Marketings 56, 60
- Number--
  - On Farms 54, 55, 56
  - On Feed 56
- Prices 55, 56, 73, 74
- Rank of Important States 1
- Slaughter 56, 60, 61
- Value 54, 55, 56

Cheese 1, 62, 63
Chickens:
- Broilers 8, 68, 69
- Cash Receipts 8, 68, 69
- Hatchery Production 69, 70
- Number 54, 55, 69
- Rank of Important States 1
- Value 54, 55, 68, 69

Climatic Summary 11-12
Corn:
- Acreage, Yield, Production 13, 14, 17, 24-25
- Cash Receipts 8
- Geographic Distribution 36
- Marketings 22
- Planting & Harvesting 48
- Pesticide Use On 50-53
- Prices 17, 71
- Production Expenses 80
- Rank of Important States & Counties 1, 2
- Records Set 14
- Stocks 14, 23
- Value 17
- (See Also Sweet Corn for Proc.& Silage Corn)

Cost of Production, Crops 80-81
Cows:
- Farms With Cows 3, 54
- Number 54, 55, 56, 65
- Prices 55, 56, 73, 75
- Rank of Important States 1
- Value 55, 56
- (See Also Dairy, Cattle)

Crops (See Specific Commodity)
Crop Assets 5
Custom Rates 82
Dairy:
- Cash Receipts 8, 62
- Chart Summary 64, 67
- Income 62
- Manufacturing Products 62
- Prices 9
- Rank of Important States 1
- (See Also Individual Commodities)

Debt, Farm 5
Eggs:
- Cash Receipts 8, 68, 69
- Prices 9, 76
- Production 68, 69
- Rank of Important States 1
- Value 68, 69

Equity, Farm 5
Expenses, Farm Production 4, 5, 6-7, 80-81
Exports 1, 10
Farmers' Share of Food Dollar 9
Farms:
- By Type of Products Sold 10
- Number, Land in Farms, Average Size 3, 4, 5
- Rank of Important States 1

Feed Prices Paid by Farmers 77-79
Fertilizer Use 49
Financial Assets 5
Flaxseed:
- Acreage, Yield, Production 13, 14, 18, 44
- Cash Receipts 8
- Marketings 22
- Pesticide Use On 50-53
- Planting & Harvesting 48
- Prices 18, 72
- Rank of Important States 1
- Records Set 14
- Stocks 14, 23
- Value 18

Food, Marketing & Farmers' Share 9
Food Costs 9
Forestry Products 8
Frost Dates 12
Fuel Prices Paid by Farmers 79
Government Payments 4
Grains:
- Marketed by Months' / 22
- Stocks 23
- (See Also Specific Commodities)

Greenhouse & Nursery 8
Harvesting Dates 48
Hay:
- Acreage, Yield, Production 13, 14, 19, 40-43
- Cash Receipts 8
- Marketings 22
- Harvest 48
- Pesticide Use On 50-53
- Prices 19, 72
- Rank of Important States 1
- Records Set 14
- Stocks 23
- Value 19

Herbicides 50-53
Hogs:
- Cash Receipts 8, 57
- Farms With Hogs 3, 54
- Farrowings 57
- Marketings 57, 58, 60
- Number 54, 55, 57
- Pig Crop 57, 58
- Prices 55, 58, 74
- Rank of Important States 1
- Slaughter 57, 58, 60, 61
- Value 54, 55, 58

Ice Cream 1, 62
Income, Farm:
- Cash Receipts, Net Income per County 6-7
- Income Per Farm 4, 5
- Rank of Important States & Counties 1, 2
- Realized Gross & Net 4, 5
- Stability of State Farm Income 5
- Summary 4-5
- (See Also Specific Commodity)

Insecticides 50-53
Land, Farm Value 2
Land in Farms 3
Livestock (See Specific Kinds)
Livestock Assets 5
Machinery Assets 5
Marketing Share of Food Dollar 8
Milk:
- Chart Summary 64, 67
- Disposition 62
- Milkfat 62, 63
- Non-Fat Dry Milk 1, 62
- Prices 76
- Production 62, 63
- Products Manufactured 62, 63
- Rank of Important States 1
- Value & Income 62

Mink 58
Oats:
- Acreage, Yield, Production 13, 14, 17, 34-35
- Cash Receipts 8
- Geographic Distribution 36
- Marketings 22
- Planting & Harvesting 48
- Pesticide Use On 50-53
- Prices 17, 71
- Production Expenses 81
- Rank of Important States & Counties 1, 2
- Records Set 14
- Stocks 14, 23
- Value 17

Onions 21
Peas, Green for Processing 1, 8, 21
Persons Supplied per Farmworker 10
Pesticide Usage 50-53
Petroleum Prices Paid by Farmers 79
Planting & Harvesting Dates 48
Potatoes:
- Acreage, Yield, Production 20, 39
- Cash Receipts 8
- Prices 20, 72
- Rank of Important States 1
- Value 20

Poultry (See Specific Kind)
Precipitation 11
Prices:
- Paid by Farmers 77-79
- Received by Farmers 71-76
- (See Also Specific Commodity)

Production Expenses 4, 5, 6-7, 80-81
Protective Devices, Pesticides 53
Rank of Important Counties 2
Rank of Important States 1
Real Estate Assets, Debt 5

Red Meat Production 1
Retail Food Prices 9
Rice, Wild 49
Rye:
- Acreage, Yield, Production 13, 14, 17, 45
- Cash Receipts 8
- Planting & Harvesting 48
- Prices 17
- Rank of Important States 1
- Records Set 14
- Stocks 14, 23
- Value 17

Seeds, Field (See Also Specific Kinds) 8
Sheep & Lambs:
- Cash Receipts 8, 59
- Farms With Sheep 3, 54
- Lamb Crop 55, 59
- Marketings 59, 60
- Number 54, 55, 59
- Number Shorn for Wool 59
- Prices 55, 59, 74
- Rank of Important States 1
- Slaughter 59, 60
- Value 54, 55, 59

Silage Corn 17, 26-27
Soybeans:
- Acreage, Yield, Production 13, 14, 17, 28-29
- Cash Receipts 8
- Geographic Distribution 36
- Marketings 22, 23
- Planting & Harvesting 48
- Pesticide Use On 50-53
- Prices 17, 71
- Production Expenses 80
- Rank of Important States & Counties 1, 2
- Records Set 14
- Stocks 14
- Value 17

Sugarbeets:
- Acreage, Yield, Production 13, 14, 18, 39
- Cash Receipts 8
- Planting & Harvesting 48
- Pesticide Use On 50-53
- Prices 18
- Rank of Important States & Counties 1, 2
- Records Set 14
- Value 18

Sunflowers:
- Acreage, Yield, Production 13, 14, 19, 38
- Cash Receipts 8
- Pesticide Use On 50-53
- Planting & Harvesting 48
- Prices 19, 71
- Production Expenses 81
- Rank of Important States & Counties 1, 2
- Records Set 14
- Value 19

Sweet Corn for Processing 1, 8, 21, 47
Temperatures 11-12

Turkeys:
- Breeder Hens 54, 55, 68, 69
- Cash Receipts 8, 68, 69
- Hatchery Production 68, 69, 70
- Numbers 68, 69
- Prices 55, 76
- Rank of Important States 1
- Value 54, 55, 68, 69

Vegetables (See Specific Kind)
Weather Summary 11-12
Wheat:
- Acreage, Yield, Production 13, 14, 17, 30-33
- Cash Receipts 8
- Geographic Distribution 36
- Marketings 22
- Pesticide Use On 50-53
- Planting & Harvesting 48
- Prices 17, 71
- Production Expenses 81
- Rank of Important States & Counties 1, 2
- Records Set 14
- Stocks 14, 23
- Value 17

Wild Rice 49, 74
Wool 8, 59